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Volume 3: Coastal Louisiana

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Water Resources Data Louisiana

Water Year 1981

Volume 3. Coastal Louisiana

Volume 1
Central and Northern Louisiana
Volume 2
Southern Louisiana
Volume 3
Coastal Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-81-3

Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

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UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Louisiana write to
District Chief, Water Resources Division
U.S. Geological Survey
P.O. Box 66492
Baton Rouge, LA 70896

1981

PREFACE

This report was prepared by personnel of the Louisiana district of the Water Resources Division of the U.S. Geological Survey under the supervision of Darwin D. Knochenmus, District Chief, and Alfred Clebsch, Jr., Regional Hydrologist, Central Region. It was done in cooperation with the State of Louisiana and with other agencies.

This report is one of a series issued by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and Robert J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

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Water resources data for the 1981 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains records for water discharge at 81 gaging stations (including stage for 76 of these stations); stage only for 37 gaging stations and 10 lakes; contents for 1 reservoir; water quality for 142 surface-water stations (including 35 gaging stations), 27 miscellaneous sites, and 10 lakes, and 286 wells; and water levels for 679 observation wells. Also included are data for 250 crest-stage and flood-profile partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements. Records for a few pertinent stations in bordering states are also included in this report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

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INTRODUCTION

Water resources data for the 1981 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains discharge records for 81 gaging stations; stage record for 76 of these gaging stations; stage only for 37 gaging stations; contents for 1 reservoir; stage only for 10 lakes; water quality for 142 stations (35 of these at gaging stations), 27 miscellaneous sites, 10 lakes, and 286 wells; and water levels for 679 · observation wells. Also included are data for 135 crest-stage partial-record stations and 115 flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements and analysis. These data stations represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

Records of discharge or stage of streams and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a state-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a state-boundary basis. These official Survey reports carry an identification number consisting of the two-letter state abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report LA-81-3." Water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on page II or by telephone (504) 389-0281.

COOPERATION

The U.S. Geological Survey and organizations of the State of Louisiana have had cooperative agreements for the systematic collection of streamflow records since 1938, for ground-water levels since 1936, and for water-quality records since 1943. Organizations that assisted in collecting data through joint-funding agreements with the Survey are:

Louisiana Department of Transportation and Development, Paul J.Hardy, Secretary: Office of Public Works, I. F. "Jiff" Hingle, Assistant Secretary, and Office of Highways, Neil L. Wagoner, Assistant Secretary.

Louisiana Department of Natural Resources, Frank A. Ashby, Jr., Secretary: Water Pollution Control Division, J. Dale Givens, Administrator, and Office of Conservation, James H. Welsh, Chief of Surface Mining Division.

City of Baton Rouge and Parish of East Baton Rouge, Pat Screen, Mayor-President: Department of Public Works, Robert G. Graves, Director.

Sabine River Compact Administration, composed of Lamar E. Carroon, Federal Representative and Chairman; I. F. "Jiff" Hingle and Raymond J. Palmer for Louisiana; Neilson Davis, succeeded by David V. Gardner, and J. M. Syler for Texas.

Capital Area Ground Water Conservation Commission, Charles M. Smith, Chairman.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army, the U. S. Department of Energy, the U.S. Environmental Protection Agency, and the National Park Service in collection of records for 40 stage and discharge stations and 105 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Surface Water

The period of deficient flow that began in June 1980 continued into October. Not until mid-October was rainfall significant to change the decreasing streamflow trend. Even with above normal rainfall occurring mid-October through November, most index stations had monthly discharges that were below their long-term averages.

During December, rainfall was below normal in most of the State. This was reflected at four stations where the monthly average flow for December was the fourth lowest for the period of record. These sites are Paw Paw Bayou near Greenwood, Saline Bayou near Lucky, Bayou Toro near Toro, and Calcasieu River near Oberlin. The Mississippi River had several days of deficient flow in December. During the deficient-flow period, the discharge was below 200,000 ft^3/s which created some concern in regard to low-water navigation and saltwater intrusion. The saltwater wedge had approached river mile 18 (near Buras) on December 10. The Mississippi River at Baton Rouge continued its downward trend through January 31, when the discharge dropped to 157,000 ft^3/s. The saltwater wedge reached its most upstream position, river mile 61 (near Myrtle Grove), on February 3. Average flow for the Red River at Alexandria was only 10 percent of the long-term-average runoff for January; this flow, 3,940 ft^3/s, was a record low for average flow during January.

In April, the Mississippi River at Baton Rouge had a new record minimum daily mean discharge for the month of 261,000 ft^3/s. Deficient flow was also experienced at other index stations during April.

Streamflow conditions improved during May and June in the northwestern part of the State. Paw Paw Bayou near Greenwood had a record maximum daily mean flow for June of 6,670 ft^3/s; the previous maximum for June was 3,180 ft^3/s. Also, Bayou Toro near Toro had a new maximum daily flow of 3,570 ft^3/s, compared to the previous maximum of 2,970 ft^3/s.

Scattered rainfall during July, August, and September helped to relieve the deficient flow conditions at most index stations. On September 30, the daily mean discharge for the Mississippi River at Baton Rouge was again approaching 200,000 ft^3/s. This is the threshold rate for saltwater intrusion from the Gulf of Mexico.

Storage in Toledo Bend Reservoir on the Sabine River at the end of the 1980 water year was 3,711,000 acre-ft; at the end of the 1981 water year, the contents were 3,907,000 acre-ft, a net change of +196,000 acre-ft.

In the Mississippi River at New Orleans, dissolved-oxygen concentrations ranged from 5.3 to 12.3 Mg/L, water temperatures ranged from 5.0 to 31.5°C, and pH ranged from 7.0 to 7.7 units during the water year. All measured values met the limits for water quality criteria as set forth by the State of Louisiana. The criteria are 5.0 Mg/L for dissolved oxygen, 32.0°C for temperature, and 6.5 to 9.0 units for pH.

Ground Water

Public-supply and industrial pumping in northern and central Louisiana continued to cause regional water-level declines in wells in the Sparta Sand and Miocene aquifers. Generally, decline rates ranged from 0.5 to 2.5 feet per year. Water levels in some wells reached new lows for the period of record at the end of the water year. Hydrographs for wells screened in the Wilcox, Cockfield, and alluvial aquifers showed normal seasonal fluctuations. In some wells screened in the Red River alluvial aquifer near streams, water levels at the end of water year 1981 were 3 to 5 feet lower than at the end of water year 1980. Water levels in wells screened in the terrace aquifers in central Louisiana were 1.5 to 5 feet lower at the end of the water year 1981 than at the end of water year 1980, partly due to deficient precipitation in the winter and spring. The water level of well G-127B, key observation well in the terrace aquifer, was 1.5 feet lower than at the end of water year 1980, but was still 1 to 4 feet higher than during the 1964-72 period.

During this water year, levels in wells in the Chicot aquifer in southwestern Louisiana recovered from the record lows caused by deficient rainfall during the 1980 irrigation season. The residual effects of the seasonal drought caused water levels to be an average of 2.5 feet lower in the spring of 1981 than in 1980. However, seasonal low-water levels, during the 1981 pumping season averaged nearly a foot to about 3 feet higher than for the comparable period of 1980.

Chloride concentrations in some wells in the "500-foot" sand of the Chicot aquifer in the Lake Charles industrial area have been increasing since 1977. Chlorographs show a cyclic pattern that may be related to changes in pumping rates. Currently, the chloride concentrations range from about 200 to 450 Mg/l. In the southern part of Lake Charles, chloride concentrations in wells in the "700-foot" sand are increasing steadily at a rate of 25 to 30 Mg/l per year. Maximum chloride concentrations in pumped wells in that area now are about 750 Mg/l. The salinity of water in the "upper sand unit" of the Chicot aquifer in the Abbeville area has continued to rise during the past 6 years. The maximum concentration of chloride is now about 300 Mg/l.

Observation wells in the Evangeline aquifer in the Eunice and Opelousas areas had nearly consecutive record monthly low-water levels during the water year. At Eunice the level for September 1981 was the lowest recorded during 16 years of record.

In the Baton Rouge area, water levels in wells in the shallow aquifers continued their gradual rising trend; spring highs in wells in the "400-foot" sand were 1 to 20 feet higher this year than in 1980, but spring highs in wells in the "600-foot" sand were 3 to 8 feet lower. Declines of 1 to 5 feet occurred in wells in the "1,200-foot" sand in the past year. In wells in the "1,500-foot" sand, levels were 2 to 8 feet lower than last year and record lows were reached in several wells in July and August. Water levels in wells screened in the "2,000-foot" sand have risen 2 to 20 feet since 1980. In wells in the "2,400-foot" sand, levels were generally several feet above record lows reached in 1979 and 1980.

Saltwater encroachment in the "600-foot" sand of the Baton Rouge area has apparently slowed in recent years, in part because of reduced pumping from this sand, and no evidence of additional encroachment has been detected recently. In contrast, water from a monitor well (EB-807A) in the "1,500-foot" sand in south Baton Rouge has shown a sharp increase in chloride concentration, indicating that northward movement of salty water toward several well fields is continuing. Water from a monitor well in the "1,000-foot" sand (EB-805) has shown a steady increase in chloride concentration, from about 650 mg/l in 1967 to 5,700 mg/l in 1981, indicating probable northward or northwestward movement of salty water from the vicinity of this well.

In the New Orleans area, water levels in most wells in the Gonzales-New Orleans aquifer continued the rising trend that began in 1974. This year, levels in most observation wells were 1 to 8 feet higher than at comparable times last year. Levels in wells in the Norco and Gramercy aquifers were 1 to 6 feet lower than at comparable times last year.

In the Florida Parishes, water levels in the shallow sands (Upper and Lower Ponchatoula and Big Branch aquifers) showed little net change during 1981. In wells in the intermediate sands (Abita, Covington, Kentwood, Slidell, and Tchefuncta aquifers) and in the deep sands (Amite, Hammond, Ramsay, and Franklinton aquifers), water levels declined 2 to 6 feet since last year.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of metric units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often grouped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials. NOTE: The letter "K" preceding a value indicates the results are based on colony count outside the ideal range.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies within 24 hours when incubated at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestines or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all the organisms that produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on MFC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies with 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (STORET CODE 31679), or on KF agar (STORET CODE 31673). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic meter), and periphyton and benthic organisms in g/m^2 (grams per square meter).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as for ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Recoverable from bottom material refers to the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Cells/volume refers to the number of cells on any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second (FT3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved refers to that material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = -\sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n}$$

Where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity-index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage area given herein include all closed basins, or noncontribution area, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water.

Elutriate is the supernatant resulting from the vigorous 30-minute shaking of 1 part bottom sediment with 4 parts water from the proposed disposal site followed by 1 hour of letting the mixture settle and appropriate filtration or centrifugation.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface-drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum (LSD) is a datum plane that is approximately at land surface at each well.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (Mg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per kilogram (Mg/kg) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of sediment.

Micrograms per liter (Mg/L) is a unit expressing the concentration of chemical constituents in solution. Micrograms per liter represent the mass of solute per unit volume (liter) of water.

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay..........	0.00024 - 0.004	Sedimentation.
Silt..........	.004 - .062	Sedimentation.
Sand..........	.062 - 2.0	Sedimentation or sieve.
Gravel........	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass or volume.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

Insecticides are substances or a mixture of substances intended to prevent, destroy, or repel insects. The technical names for insecticides determined in this report are:

Aldrin 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo, exo-1,4:5,8-dimethanonaphthalene.

Chlordane 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan.

DDD (combination of ortho and para isomers)

o,p'-*DDD* 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-*DDD* 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.

DDE (combination of ortho and para isomers)

o,p'-*DDE* 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,

p,p'-*DDE* 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.

DDT (combination of ortho and para isomers)

o,p'-*DDT* 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-*DDT* 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

Diazinon 0,0-diethyl 0-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate.

Dieldrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4:5,8-dimethanonaphthalene.

Endosulfan 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.

Endrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.

Ethion 0,0,0',0'-tetraethyl S,S'methylenediphosphorodithioate.

Heptachlor 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene.

Heptachlor epoxide 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan.

Lindane 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma-isomer.

Malathion S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.

Methyl parathion 0,0-dimethyl 0-p-nitrophenyl phosphorothioate.

Methyl trithion phosphorodithioic acid S-[[(4-chlorophenyl) thio]-methyl] 0,0-dimethyl ester.

Methoxychlor 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane.

Mirex 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.

Parathion 0,0-diethyl 0-p-nitrophenyl phosphorothioate.

Perthane 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].

Toxaphene chlorinated camphene containing 67-69 percent chlorine by weight.

Trithion phosphorodithioic acid S-[[(4-chlorophenyl)thio] methyl] 0,0-diethyl ester.

Herbicides are substances or a mixture of substances intended to control or destroy any vegetation. The technical names for herbicides determined in this report are:

2,4-D (2,4-dichlorophenoxy)acetic acid.

2,4,5-T (2,4,5-trichlorophenoxy)acetic acid.

Silvex 2-(2,4,5-trichlorophenoxy)propionic acid.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.2 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated napthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene compounds having various percentages of chlorine.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mean concentration times 0.0027.

Suspended-sediment load is the quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour period.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplified the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S.G.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer membrane filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less that 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total."

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour period.

Total refers to the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sedimemt mixture and that the analytical method determines all of the constituent in the sample.)

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mean concentration of the constituent, times the factor 0.0027, times the number of days.

Total recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion precedures are likely to produce different analytical results.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom	Animal
Phylum	Arthropoda
Class	Insecta
Order	Ephemeroptera
Family	Ephemeridae
Genus	Hexagenia
Species	Hexagenia limbata

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to State annual basic-data reports published before 1975; since 1975, abbreviated as WDR (Water-Data Report).

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 02489500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number "489500". Records in this report, in three volumes, are in Part 2 (South Atlantic Slope and Eastern Gulf of Mexico basin), Part 7 (Lower Mississippi River basin) and Part 8 (Western Gulf of Mexico basin).

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1, following. In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish (county) in which the well is located, followed by a serial number assigned when the well was inventoried.

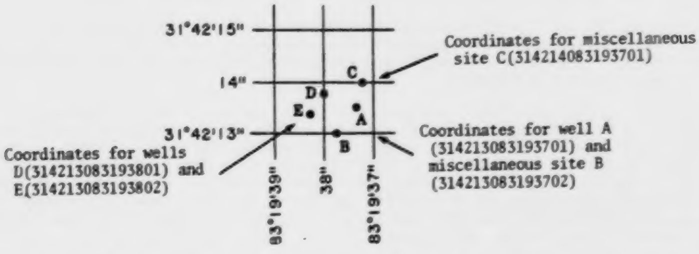
31°42'15"
14"
31°42'13"
83°19'39"
38"
83°19'37"
A
B
C
D
E
Coordinates for miscellaneous site C(314214083193701)
Coordinates for well A (314213083193701) and miscellaneous site B (314213083193702)
Coordinates for wells D(314213083193801) and E(314213083193802)

Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network (NASQAN) is a data-collection network designated by the U.S. Geological Survey to meet many of the demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Tritium network is a network of stations which has been established to provide baseline information on the occurrence of tritium in the Nation's surface waters. In addition to the surface-water stations in the network, tritium data are also obtained at a number of precipitation stations. The purpose of the precipitation stations is to provide an estimate sufficient for hydrologic studies of the tritium input to the United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge for streams or canals; and stage, surface area, and contents for lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph or a tape punched at selected time intervals of the stage fluctuations . Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard text-books, in Water-Supply Paper 888, and in the U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For a reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations, there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily mean discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily mean discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River milage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which the figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revisions, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of report.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE". National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS."

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow at the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than five complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily mean discharges, respectively, for the month. Discharge for the month also may by expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 in. In the yearly summary below the monthly summary, the figures shown are the discharges for the calendar and water years.

Footnotes to the table of daily mean discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. The first is a table of annual maximum stage and discharge at crest-stage stations, the second is a table of discharge measurements at miscellaneous sites, and the third is a table of peak elevations at flood-profile partial-record stations.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily mean discharges are within 5 percent; "good", within 10 percent; and "fair" within 15 percent. "Poor" means that daily mean discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effect of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurements, gage-height records, and rating tables is on file in the district office. Also, most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of Discharge Collected by Agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected during the water year at sites in Louisiana by the Corps of Engineers, U.S. Army. The National Water Data Exchange, Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, water temperatures, sediment discharge), extremes of pertinent data, and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling, and geologic unit (aquifer) are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of alkalinity in the laboratory.

For chemical-quality stations equiped with digital recorders and monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharge.

At stations where recording instruments are used, either mean temperatures or maximum and minimim temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers or point samplers. Samples usually are obtained along several vertical lines in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements for the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the Data

Ground-water-level data from the State network of observation wells are published herein. This basic network contains observation wells so located that significant areal data are obtained from the most important aquifers.

Each well is identified by (1) a 15-digit number that is based on latitude and longitude and (2) a local well number that identifies the well within an individual parish (county). See figure 1.

Measurements are made in many types of wells, under varying conditions of access, depth to water, temperature; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (LSD). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 (NGVD) is given in the well description. Altitudes with zeros in the tenths and hundredths columns are interpolated from topographic maps and are generally accurate only to about 1-5 feet. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equiped with recording gages are reported for every fifth day, the end of each month, and for dates when check measurements were made.

Water levels are reported to as many signifigant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or to the nearest foot. In the computer format used in this report, zeros shown in the hundredths column generally indicate measurements accurate only to tenths.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

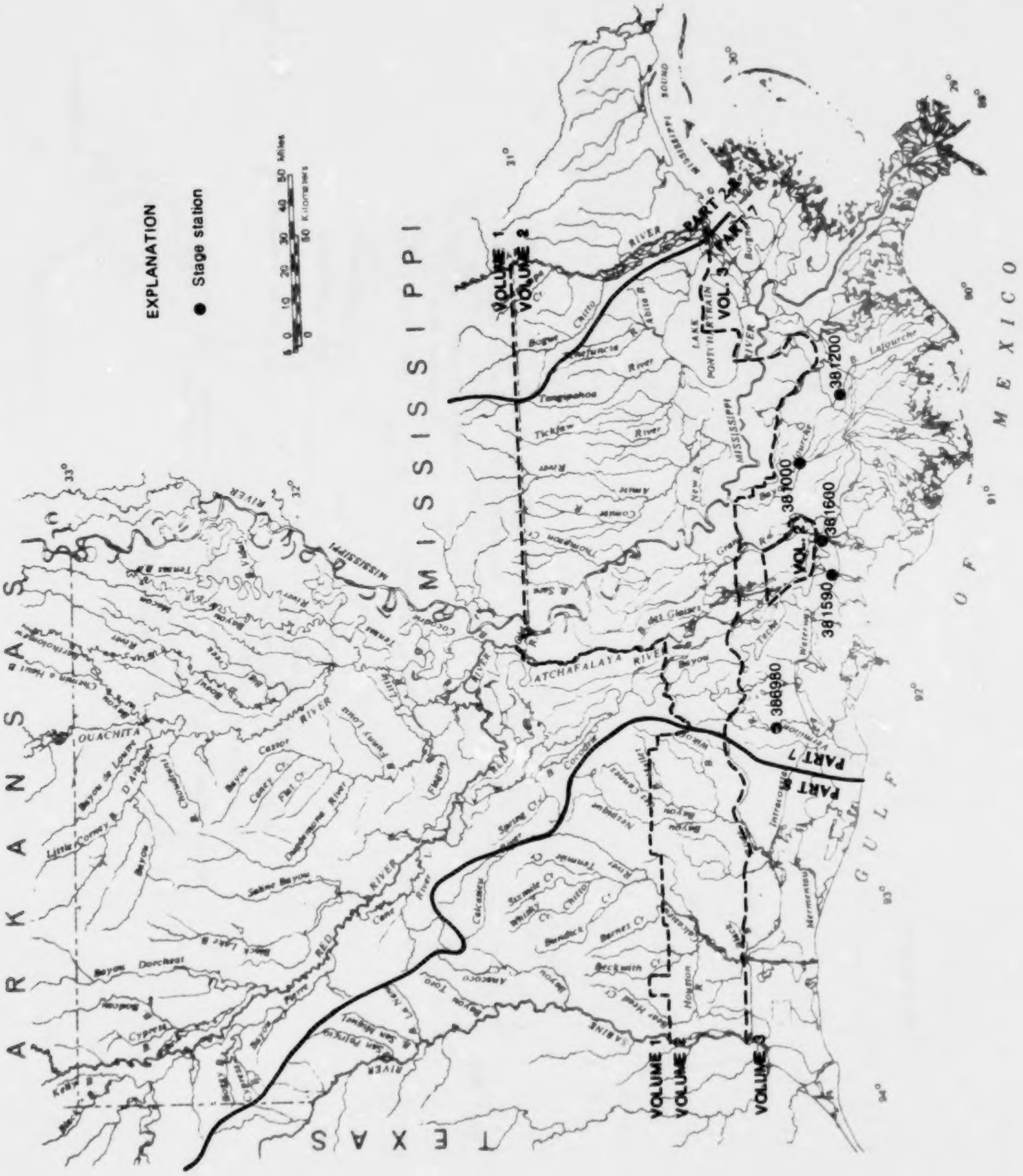
EXPLANATION
● Stage station
0 10 20 30 40 50 Miles
0 50 Kilometers
ARKANSAS
TEXAS
MISSISSIPPI
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 3
VOL. 3
PART 2
PART 7
PART 8
381200
381000
381600
381590
386980
ATCHAFALAYA RIVER
OUACHITA
LAKE PONTCHARTRAIN
MISSISSIPPI RIVER
RED RIVER
SABINE RIVER
33°
32°
31°
30°
29°
94°
93°
92°
91°
90°
89°

Figure 2.—Location of continuous gaging stations.

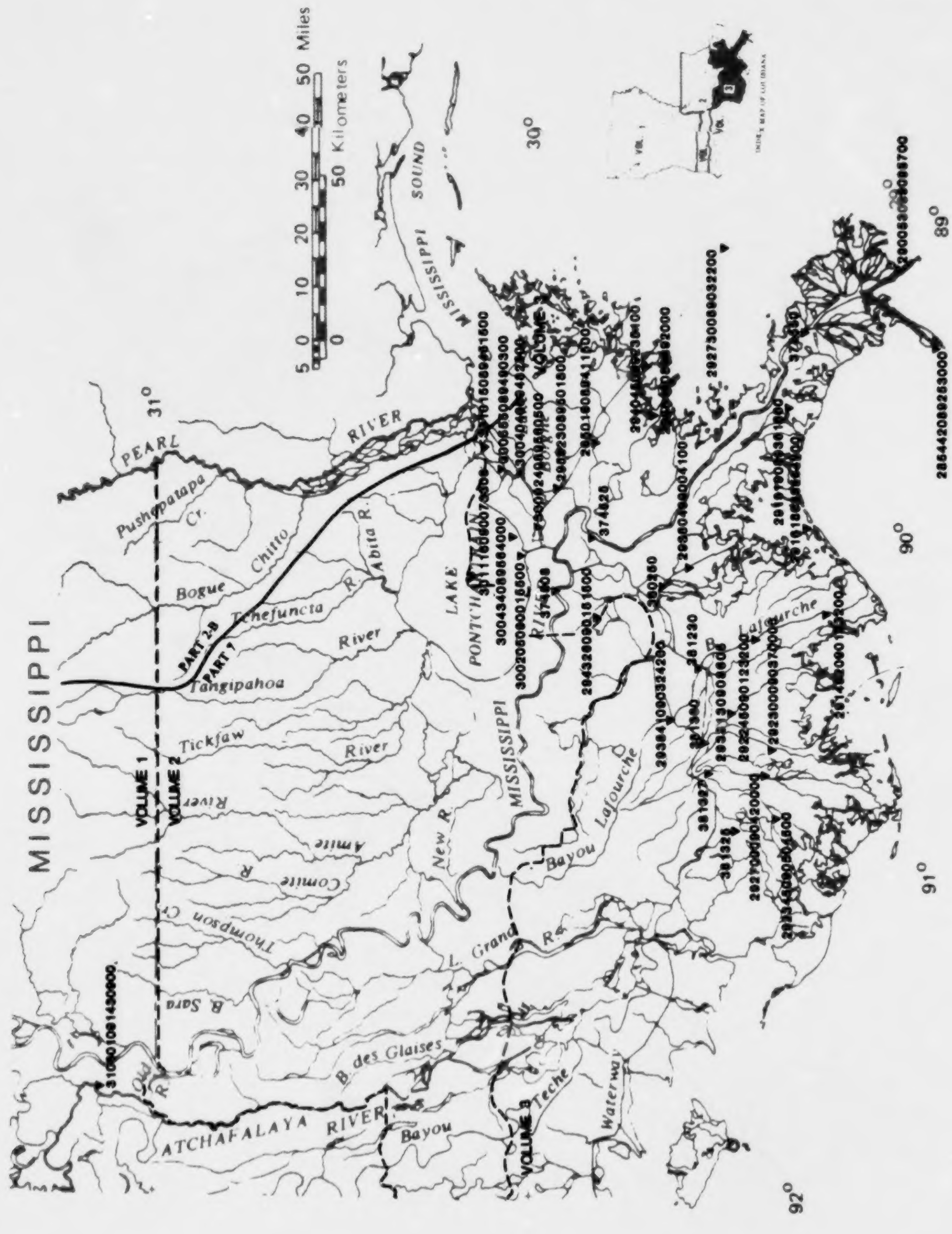
MISSISSIPPI
PEARL RIVER
Pushepatapa Cr.
Bogue Chitto
Abita R.
Tchefuncta R.
Tangipahoa River
Tickfaw River
Amite River
Comite R
New R.
Thompson Cr
B. Sara
Old R.
ATCHAFALAYA RIVER
B. des Glaises
Bayou Teche
Waterway
Bayou Lafourche
B. Lafourche
L. Grand R.
LAKE PONTCHARTRAIN
MISSISSIPPI RIVER
MISSISSIPPI SOUND
VOLUME 1
VOLUME 2
VOLUME 3
VOLUME 2
PART 2-B
PART 7
31°
30°
29°
89°
90°
91°
92°
0 10 20 30 40 50 Miles
0 50 Kilometers
INDEX MAP OF LOUISIANA

Figure 3.—Location of water-quality stations in southeastern Louisiana.

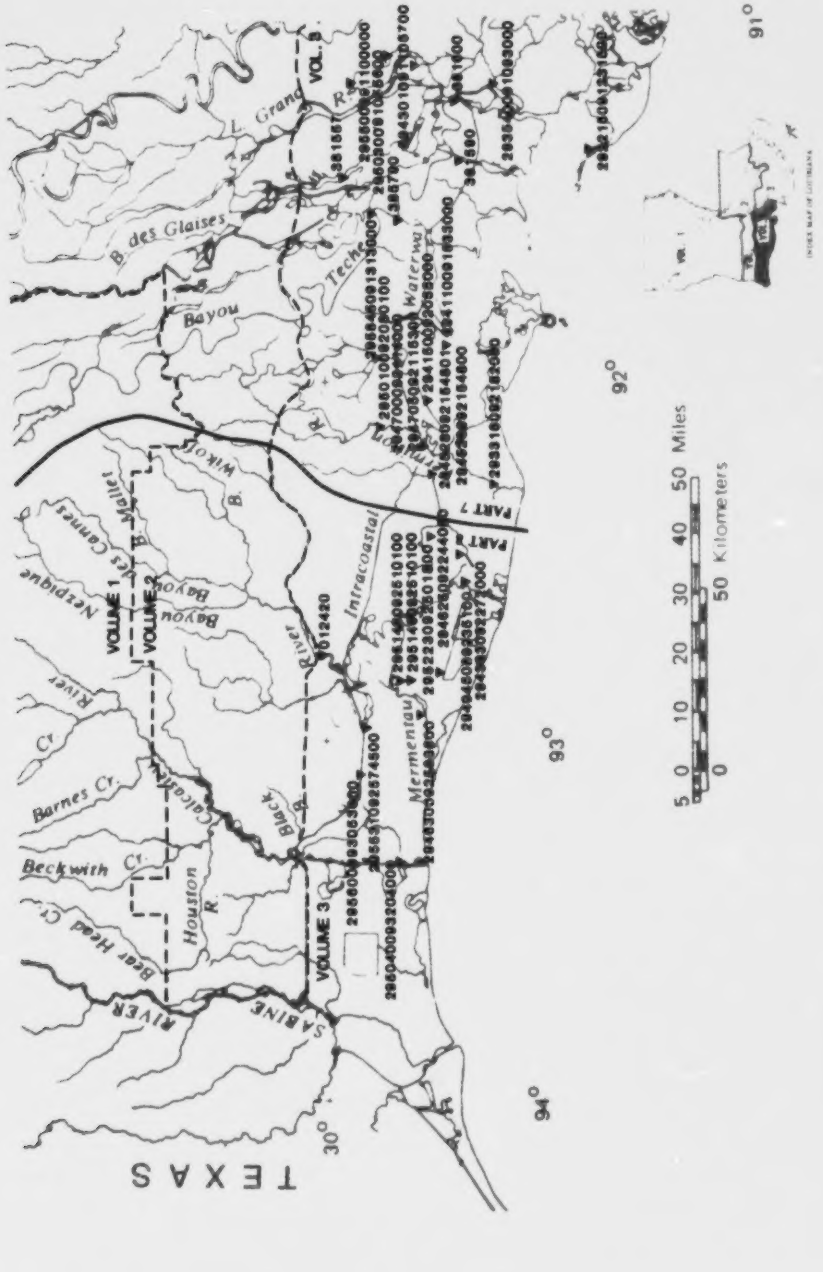
TEXAS
SABINE RIVER
Bear Head Cr.
Beckwith Cr.
Barnes Cr.
Houston R.
Calcasieu
Black R.
River
Nezpique
B. des Cannes
B. Mallet
Bayou
Wikoff
B. des Glaises
Bayou
Teche
L. Grand R.
Intracoastal
Waterway
Mermentau
VOLUME 1
VOLUME 2
VOLUME 3
VOL. 5
PART 7
PART 8
30°
94°
93°
92°
91°
0 10 20 30 40 50 Miles
0 50 Kilometers
INDEX MAP OF LOUISIANA

Figure 4.—Location of water-quality stations in southwestern Louisiana.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA

LOCATION.--Lat 29°57'03", long 90°08'17", Jefferson-Orleans Parish line, Hydrologic Unit 08090100, at Carrollton Street Municipal Water Plant intakes and at mile 103.8 (167.0 km).

DRAINAGE AREA.--1,129,900 mi^2 (2,926,400 km^2), arbitrarily determined.

PERIOD OF RECORD.--Water years 1905-06, 1951-52, 1954-55, 1967 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1954 to September 1955, October 1968 to current year.
pH: October 1976 to current year.
WATER TEMPERATURES: August 1954 to September 1955, November 1970 to current year.
DISSOLVED OXYGEN: October 1968 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1968.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 630 micromhos Sept. 20, 1969; minimum, 200 micromhos May 1, 1975.
pH: Maximum, 7.9 units on several days during fall and winter 1976 and 1979, Oct. 1, 1980; minimum, 6.8 units Apr. 9, May 1-5, 1980.
WATER TEMPERATURES: Maximum, 32.5°C July 14-22, 1980; minimum, 1.5°C Feb. 6-14, 1978.
DISSOLVED OXYGEN: Maximum, 13.9 mg/L Feb. 23, 24, 1976; minimum, 3.8 mg/L July 23, Aug. 1, 1969, Aug. 26, 1977.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 580 micromhos Jan. 30; minimum, 322 micromhos June 19-21.
pH: Maximum, 7.7 units July 31, Aug. 1, 4, 25-31, Sept. 1-8; minimum, 7.0 units May 8, 31, June 1-15.
WATER TEMPERATURES: Maximum, 31.5°C July 29-31; minimum, 5.0°C Jan. 22-24, Feb. 19.
DISSOLVED OXYGEN: Maximum, 12.3 mg/L Jan. 22, 23; minimum, 5.3 mg/L July 5, 17.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)
NOV								
06...	0845	483	7.1	17.0	5	20	8.5	.0
JAN								
14...	0845	511	7.2	6.5	5	8.0	11.6	3.6
APR								
20...	1245	403	7.1	21.5	5	15	8.1	4.3
JUL								
10...	1200	323	--	27.5	10	160	5.8	2.6

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
NOV									
06...	840	160	40	41	14	32	4.1	120	73
JAN									
14...	760	190	60	51	16	33	3.5	133	72
APR									
20...	K23000	140	54	39	11	24	3.1	89	66
JUL									
10...	1600	130	39	36	10	15	3.6	92	52

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
NOV								
06...	30	.5	5.9	282	272	.88	1.0	.25
JAN								
14...	26	.6	7.1	321	291	1.6	1.2	.13
APR								
20...	24	.4	3.8	257	224	1.1	.84	.21
JUL								
10...	19	.2	6.3	201	197	2.0	2.0	.42

K Results based on colony count outside the acceptable range (non-ideal count).

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)
NOV											
06...	1	10	100	8	1	1	6	0	5	10	30

DATE	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
NOV											
06...	5200	3	50	0	410	.0	.04	10	34	5.2	.00

DATE	PHENOLS (UG/L)	PCB TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV											
06...	2	<.1	11	<.1	<1	<.01	<.1	<.1	2	<.01	3.1

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)
NOV											
06...	<.01	<.1	<.01	1.1	<.01	<.1	<.01	.4	<.01	<.1	<.01

DATE	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV											
06...	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV										
06...	<.01	<.10	<.1	<1	<.01	<.1	.00	.00	.00	.00

< Actual value is known to be less than the value shown.

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1					---	---	---	---	572	563	416	407
2					---	---	---	---	573	563	421	409
3					---	---	---	---	578	567	420	413
4					---	---	---	---	578	567	415	411
5					---	---	---	---	569	562	416	410
6					---	---	---	---	564	546	409	395
7					---	---	---	---	558	547	401	394
8					---	---	---	---	556	539	400	388
9					---	---	---	---	543	533	395	388
10					---	---	---	---	531	510	411	394
11					---	---	---	---	---	---	415	408
12					---	---	---	---	495	492	409	406
13					---	---	---	---	495	469	---	---
14					---	---	---	---	473	468	---	---
15					---	---	---	---	474	467	---	---
16					---	---	---	---	568	460	---	---
17					487	479	---	---	567	479	---	---
18					503	486	---	---	478	434	---	---
19					517	503	---	---	431	417	---	---
20					521	505	---	---	434	424	---	---
21					507	493	---	---	434	426	---	---
22					490	478	573	554	440	431	---	---
23					481	463	554	547	447	437	---	---
24					460	452	565	550	451	442	---	---
25					470	449	555	551	453	444	---	---
26					459	453	561	549	448	430	---	---
27					452	444	552	548	430	411	---	---
28					441	426	578	550	410	399	---	---
29					425	420	575	568	---	---	---	---
30					421	413	580	570	---	---	---	---
31					412	399	577	562	---	---	---	---
MONTH					---	---	---	---	578	399	---	---

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	444	434	384	353	364	358	427	420	451	445
2	---	---	434	426	352	345	366	361	---	---	452	446
3	---	---	432	426	348	343	372	365	---	---	452	446
4	---	---	426	410	351	346	364	344	427	419	458	446
5	---	---	411	406	354	347	362	340	418	391	456	454
6	---	---	410	403	355	350	359	340	390	380	458	452
7	---	---	410	405	351	345	344	336	399	379	472	456
8	---	---	407	385	345	341	335	331	401	390	484	471
9	---	---	411	404	347	341	341	334	389	380	486	478
10	---	---	404	400	355	345	349	342	379	370	489	478
11	---	---	399	393	357	351	355	347	378	356	484	470
12	---	---	393	389	352	345	359	354	357	350	474	465
13	---	---	401	393	346	338	360	355	354	337	471	464
14	---	---	402	397	337	328	366	358	357	338	494	474
15	---	---	416	403	329	325	369	363	356	352	495	481
16	---	---	426	414	334	325	382	369	360	349	488	474
17	---	---	427	420	336	333	391	381	369	359	487	481
18	---	---	444	427	338	329	---	---	364	360	486	472
19	---	---	440	431	330	322	---	---	365	357	471	459
20	---	---	430	426	325	322	---	---	374	360	466	452
21	---	---	428	424	325	322	---	---	407	374	463	456
22	---	---	431	425	329	323	---	---	422	404	466	453
23	---	---	442	431	333	327	---	---	435	419	471	460
24	---	---	447	437	335	330	---	---	456	435	469	458
25	442	433	457	436	332	330	---	---	475	457	469	465
26	439	431	463	455	340	331	---	---	466	450	473	460
27	440	435	459	430	343	338	---	---	452	446	480	476
28	449	440	432	425	347	335	389	383	452	444	479	476
29	455	445	437	428	349	344	399	378	451	446	481	477
30	453	445	435	426	360	348	408	399	457	446	484	479
31	---	---	425	385	---	---	426	412	447	444	---	---
MONTH	---	---	463	385	384	322	426	331	475	337	495	445

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	7.3	7.3	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.3
2	---	---	7.3	7.3	7.2	7.2	7.3	7.3	7.4	7.3	7.4	7.3
3	7.3	7.2	7.3	7.2	7.2	7.2	7.3	7.2	7.4	7.4	7.4	7.3
4	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.3
5	7.4	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.4	7.4	7.3
6	7.4	7.4	7.3	7.3	7.4	7.3	7.2	7.2	7.4	7.4	7.3	7.3
7	7.4	7.4	---	---	7.4	7.3	7.3	7.2	7.4	7.4	7.3	7.3
8	7.4	7.3	---	---	7.4	7.2	7.3	7.2	7.4	7.4	7.3	7.2
9	7.4	7.3	---	---	7.4	7.4	7.3	7.2	7.4	7.4	7.3	7.2
10	7.3	7.2	---	---	7.4	7.3	7.3	7.2	7.4	7.4	7.3	7.2
11	7.3	7.3	---	---	7.4	7.3	7.3	7.3	---	---	7.3	7.2
12	7.3	7.3	---	---	7.3	7.3	7.3	7.3	7.5	7.3	7.3	7.2
13	7.3	7.3	7.3	7.2	7.3	7.3	7.3	7.3	7.5	7.5	---	---
14	7.3	7.3	7.3	7.3	7.3	7.2	7.3	7.3	7.5	7.5	---	---
15	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.5	---	---
16	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	---	---
17	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	---	---
18	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	---	---
19	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.4	---	---
20	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	---	---
21	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.4	---	---
22	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.4	7.4	---	---
23	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.4	7.4	---	---
24	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.4	7.3	---	---
25	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.4	7.4	---	---
26	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.4	7.3	---	---
27	7.3	7.2	7.4	7.2	7.4	7.4	7.4	7.3	7.4	7.4	---	---
28	7.3	7.2	7.3	7.2	7.4	7.4	7.4	7.3	7.4	7.4	---	---
29	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.3	---	---	---	---
30	7.3	7.3	7.3	7.2	7.4	7.3	7.3	7.3	---	---	---	---
31	7.3	7.3	---	---	7.3	7.3	7.4	7.3	---	---	---	---
MONTH	7.4	7.2	7.4	7.2	7.4	7.2	7.4	7.2	7.5	7.3	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	7.1	7.1	7.0	7.0	7.5	7.4	7.7	7.6	7.7	7.7
2	---	---	7.1	7.1	7.1	7.0	7.5	7.4	---	---	7.7	7.7
3	---	---	7.1	7.1	7.0	7.0	7.5	7.4	---	---	7.7	7.6
4	---	---	7.1	7.1	7.0	7.0	7.5	7.4	7.7	7.6	7.7	7.7
5	---	---	7.1	7.1	7.0	7.0	7.5	7.4	7.6	7.6	7.7	7.7
6	---	---	7.1	7.1	7.0	7.0	7.5	7.4	7.6	7.5	7.7	7.7
7	---	---	7.1	7.1	7.0	7.0	7.4	7.4	7.6	7.5	7.7	7.6
8	---	---	7.1	7.0	7.0	7.0	7.4	7.4	7.5	7.5	7.7	7.5
9	---	---	7.1	7.1	7.0	7.0	7.5	7.4	7.5	7.5	7.5	7.4
10	---	---	7.1	7.1	7.0	7.0	7.5	7.5	7.5	7.5	7.5	7.5
11	---	---	7.1	7.1	7.0	7.0	7.5	7.5	7.5	7.4	7.4	7.4
12	---	---	7.2	7.1	7.0	7.0	7.5	7.5	7.5	7.4	7.4	7.4
13	---	---	7.2	7.2	7.0	7.0	7.5	7.5	7.5	7.4	7.4	7.4
14	---	---	7.2	7.2	7.0	7.0	7.5	7.4	7.4	7.4	7.4	7.4
15	---	---	7.2	7.2	7.4	7.0	7.5	7.4	7.5	7.4	7.4	7.4
16	---	---	7.2	7.2	7.4	7.4	7.5	7.5	7.5	7.4	7.4	7.4
17	---	---	7.3	7.2	7.4	7.4	7.5	7.5	7.5	7.4	7.5	7.5
18	---	---	7.3	7.3	7.4	7.4	---	---	7.5	7.5	7.5	7.5
19	---	---	7.3	7.3	7.4	7.4	---	---	7.5	7.4	7.4	7.4
20	---	---	7.3	7.3	7.4	7.4	---	---	7.5	7.5	7.4	7.4
21	---	---	7.3	7.3	7.4	7.4	---	---	7.5	7.5	7.4	7.4
22	---	---	7.3	7.3	7.4	7.4	---	---	7.6	7.5	7.4	7.4
23	---	---	7.3	7.3	7.4	7.4	---	---	7.6	7.6	7.5	7.4
24	---	---	7.3	7.3	7.5	7.2	---	---	7.6	7.6	7.5	7.4
25	7.1	7.1	7.3	7.3	7.5	7.4	---	---	7.7	7.6	7.5	7.4
26	7.2	7.1	7.3	7.2	7.4	7.4	---	---	7.7	7.7	7.6	7.5
27	7.2	7.1	7.2	7.2	7.4	7.4	---	---	7.7	7.6	7.5	7.5
28	7.2	7.1	7.2	7.1	7.4	7.4	7.6	7.5	7.7	7.6	7.5	7.5
29	7.2	7.1	7.1	7.1	7.5	7.4	7.6	7.4	7.7	7.6	7.5	7.5
30	7.1	7.1	7.1	7.1	7.5	7.4	7.6	7.6	7.7	7.6	7.5	7.5
31	---	---	7.1	7.0	---	---	7.7	7.6	7.7	7.7	---	---
MONTH	---	---	7.3	7.0	7.5	7.0	7.7	7.4	7.7	7.4	7.7	7.4

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	20.0	20.0	11.0	11.0	7.0	6.5	7.0	6.5	8.5	8.0
2	---	---	20.0	19.5	11.0	10.5	7.0	6.5	6.5	6.0	8.5	8.5
3	28.0	27.0	19.5	19.5	10.5	10.0	7.0	6.5	6.5	6.5	9.0	8.5
4	27.0	26.5	19.5	19.0	10.5	10.0	6.5	6.5	6.5	6.5	9.5	9.0
5	26.0	25.5	19.0	18.5	11.5	10.0	6.5	6.0	6.5	6.5	10.0	9.5
6	25.5	24.5	18.5	18.0	11.5	11.0	7.0	6.0	7.0	6.5	9.5	9.5
7	24.5	24.0	---	---	11.5	11.0	6.5	6.5	7.5	7.0	9.5	9.5
8	24.0	23.5	---	---	11.5	10.5	6.5	6.5	8.0	7.5	9.5	9.5
9	23.5	23.0	---	---	12.0	11.5	7.0	6.5	8.0	7.5	9.5	9.5
10	23.5	23.0	---	---	11.5	10.5	7.0	6.5	8.5	8.0	9.5	9.5
11	23.0	23.0	---	---	11.5	10.0	6.5	6.5	---	---	9.5	9.5
12	23.0	22.5	---	---	10.5	10.0	6.5	6.0	7.0	7.0	9.5	9.5
13	22.5	22.5	16.5	16.5	10.5	10.5	6.5	6.0	7.0	6.5	---	---
14	22.5	22.0	16.5	16.5	11.0	10.5	6.5	6.5	6.5	6.0	---	---
15	22.5	22.0	16.5	16.5	10.5	10.5	6.5	6.5	6.0	6.0	---	---
16	22.5	22.5	16.5	16.5	10.5	10.5	6.5	6.0	6.0	6.0	---	---
17	23.0	22.5	17.0	16.5	10.5	10.0	6.0	6.0	6.0	5.5	---	---
18	22.5	22.5	16.5	16.0	10.5	10.0	6.0	5.5	5.5	5.5	---	---
19	22.5	22.5	16.0	15.5	10.5	10.0	6.0	5.5	5.5	5.0	---	---
20	22.5	22.0	16.0	15.5	10.5	10.0	5.5	5.5	5.5	5.5	---	---
21	22.0	22.0	15.5	15.0	10.0	9.5	5.5	5.5	6.0	5.5	---	---
22	22.0	22.0	15.0	14.5	9.5	9.5	5.5	5.0	6.0	5.5	---	---
23	22.0	22.0	15.0	14.5	10.0	9.5	5.5	5.0	6.5	6.0	---	---
24	22.0	21.5	14.5	14.0	9.5	9.0	5.5	5.0	6.5	6.0	---	---
25	21.5	21.5	14.0	13.5	9.0	8.5	6.0	5.5	7.0	6.5	---	---
26	21.5	21.0	13.0	12.5	8.5	8.0	6.0	5.5	7.5	7.0	---	---
27	21.5	21.0	12.5	12.0	8.0	7.5	6.0	5.5	8.0	7.5	---	---
28	21.5	21.0	12.0	11.5	7.5	7.5	6.0	5.5	8.0	7.5	---	---
29	21.0	20.5	12.0	11.5	7.5	7.0	6.0	5.5	---	---	---	---
30	20.5	20.0	11.5	11.0	7.0	7.0	6.5	6.0	---	---	---	---
31	20.0	20.0	---	---	7.0	6.5	6.5	6.0	---	---	---	---
MONTH	28.0	20.0	20.0	11.0	12.0	6.5	7.0	5.0	8.5	5.0	---	---

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	20.5	20.5	20.0	20.0	27.5	27.5	31.0	30.5	28.5	28.0
2	---	---	20.5	20.5	20.5	20.5	27.5	27.0	---	---	28.5	28.0
3	---	---	20.5	20.5	21.0	20.5	27.0	27.0	---	---	28.5	28.5
4	---	---	20.5	20.5	21.5	21.0	27.0	27.0	30.5	30.0	29.0	28.5
5	---	---	20.5	20.5	22.0	21.5	27.0	27.0	30.0	29.5	29.0	28.5
6	---	---	20.5	20.5	22.5	22.0	27.0	27.0	29.5	29.5	28.5	28.5
7	---	---	21.0	20.5	22.5	22.0	27.0	27.0	29.5	29.5	28.5	28.5
8	---	---	21.0	20.5	23.0	22.5	27.0	27.0	29.5	29.0	28.5	28.5
9	---	---	21.0	20.5	24.0	23.5	27.5	27.0	29.5	29.0	28.5	28.0
10	---	---	21.0	20.5	24.5	24.0	27.5	27.0	29.0	29.0	28.0	28.0
11	---	---	21.0	20.5	24.5	24.5	27.5	27.5	29.0	29.0	28.0	28.0
12	---	---	21.0	20.5	25.0	24.5	28.0	27.5	29.0	28.5	28.0	28.0
13	---	---	21.5	21.0	25.5	25.0	28.5	28.0	29.0	29.0	28.0	27.5
14	---	---	21.5	21.5	25.5	25.0	29.0	28.5	29.0	28.5	27.5	27.5
15	---	---	21.5	21.0	26.0	25.5	29.5	29.0	29.0	29.0	27.5	27.5
16	---	---	21.5	21.0	26.0	26.0	30.0	29.5	29.5	29.0	27.5	27.5
17	---	---	21.5	21.0	26.5	26.0	30.0	29.5	29.5	29.0	27.5	27.0
18	---	---	21.5	21.0	27.0	26.5	---	---	30.0	29.5	27.0	26.5
19	---	---	21.5	21.5	27.0	27.0	---	---	30.0	29.5	26.5	26.5
20	---	---	21.5	21.0	27.0	27.0	---	---	30.0	30.0	26.0	26.0
21	---	---	21.5	21.0	27.5	27.0	---	---	30.5	30.0	26.0	26.0
22	---	---	21.5	21.0	27.5	27.0	---	---	30.0	30.0	26.0	25.5
23	---	---	21.0	21.0	27.5	27.0	---	---	30.0	30.0	26.0	25.5
24	---	---	21.0	21.0	27.0	27.0	---	---	30.0	29.5	26.0	25.5
25	21.0	21.0	20.5	20.5	27.0	27.0	---	---	29.5	29.0	26.0	25.5
26	21.0	20.5	20.5	20.5	27.0	27.0	---	---	29.0	29.0	25.5	25.5
27	20.5	20.0	20.5	20.5	27.5	27.0	---	---	29.0	28.5	25.5	25.5
28	20.5	20.0	20.5	20.5	27.5	27.0	31.0	31.0	28.5	28.5	25.5	25.5
29	20.5	20.5	20.5	20.5	27.5	27.5	31.5	30.5	28.5	28.0	25.5	25.5
30	20.5	20.5	20.5	20.0	27.5	27.5	31.5	31.0	28.0	28.0	25.5	25.5
31	---	---	20.5	20.0	---	---	31.5	31.0	28.5	28.0	---	---
MONTH	---	---	21.5	20.0	27.5	20.0	31.5	27.0	31.0	28.0	29.0	25.5

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	8.6	8.4	10.5	10.3	---	---	11.7	11.6	10.9	10.7
2	---	---	8.6	7.9	10.6	10.4	---	---	11.9	11.7	10.8	10.6
3	7.4	7.1	8.4	7.7	10.6	10.4	---	---	11.9	11.7	10.6	10.4
4	7.7	7.2	8.9	8.5	10.9	10.6	---	---	12.1	11.8	10.4	10.0
5	7.7	7.5	9.0	8.6	11.4	10.9	---	---	12.1	11.9	10.0	9.7
6	7.9	7.5	9.1	8.6	11.5	11.2	---	---	11.9	11.7	9.7	9.3
7	7.8	7.5	---	---	11.4	11.3	---	---	11.7	11.3	9.2	9.1
8	7.8	7.4	---	---	11.5	11.3	---	---	11.3	11.0	9.2	8.8
9	7.9	7.5	---	---	11.5	11.3	---	---	11.1	11.0	8.9	8.8
10	7.7	7.4	---	---	11.4	11.1	---	---	11.0	10.7	8.8	8.7
11	7.6	7.2	---	---	11.6	11.3	---	---	---	---	8.7	8.6
12	---	---	---	---	11.4	11.1	---	---	11.4	10.8	8.7	8.6
13	---	---	9.8	9.6	11.2	11.0	---	---	11.2	11.1	---	---
14	---	---	9.7	9.5	10.9	10.7	---	---	11.3	10.2	---	---
15	8.3	8.0	9.6	9.4	11.2	10.9	---	---	11.4	11.3	---	---
16	8.3	8.0	9.5	9.4	---	---	11.6	11.4	11.5	11.0	---	---
17	8.3	8.1	9.6	9.5	---	---	11.5	11.3	11.6	11.5	---	---
18	8.2	8.1	9.6	9.5	---	---	11.6	11.4	11.8	11.6	---	---
19	8.3	8.2	9.7	9.4	---	---	11.6	11.4	11.8	11.7	---	---
20	8.4	8.2	9.7	9.4	---	---	11.6	11.5	11.9	11.8	---	---
21	8.3	8.0	9.8	9.6	---	---	12.2	11.6	11.8	11.7	---	---
22	8.2	7.8	9.8	9.8	---	---	12.3	12.1	11.8	11.8	---	---
23	7.9	7.5	9.9	9.6	---	---	12.3	12.0	11.8	11.7	---	---
24	7.8	7.4	10.1	9.8	---	---	12.2	11.9	11.8	11.7	---	---
25	7.6	7.4	10.3	10.0	---	---	12.1	11.9	11.7	11.5	---	---
26	7.7	7.4	10.6	10.3	---	---	12.0	11.8	11.5	11.3	---	---
27	8.4	7.5	10.8	10.6	---	---	11.9	11.7	11.3	11.1	---	---
28	8.4	8.2	10.7	10.5	---	---	12.1	11.6	11.2	11.0	---	---
29	8.6	8.4	10.8	10.3	---	---	12.1	11.8	---	---	---	---
30	8.8	8.5	10.6	10.2	---	---	11.8	11.7	---	---	---	---
31	8.7	8.5	---	---	---	---	11.7	11.7	---	---	---	---
MONTH	8.8	7.1	10.8	7.7	---	---	---	---	12.1	10.2	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1			7.5	7.4	---	---	6.1	6.0	---	---	---	---
2			7.6	7.4	---	---	6.0	5.9	---	---	---	---
3			7.7	7.5	---	---	5.9	5.6	---	---	---	---
4			7.9	7.6	---	---	5.6	5.4	6.1	6.0	---	---
5			8.0	7.9	---	---	5.7	5.3	6.1	6.0	---	---
6			7.9	7.9	---	---	5.9	5.4	6.1	6.0	---	---
7			8.0	7.8	---	---	5.9	5.8	6.1	6.0	---	---
8			7.9	7.7	---	---	6.0	5.9	6.0	5.6	---	---
9			8.0	7.8	---	---	6.1	6.0	5.9	5.7	7.0	6.8
10			8.1	7.9	---	---	6.1	6.1	5.9	5.9	7.1	7.0
11			8.1	8.0	---	---	6.1	5.7	6.4	5.8	7.1	7.0
12			8.1	8.0	---	---	5.7	5.5	6.4	6.2	7.1	7.0
13			8.1	7.9	---	---	6.0	5.5	6.2	6.1	---	---
14			8.0	7.9	---	---	5.9	5.8	6.1	6.0	---	---
15			8.2	7.9	---	---	5.9	5.8	6.0	5.9	7.2	7.2
16			8.4	8.2	---	---	5.9	5.6	5.9	5.8	7.2	7.1
17			8.5	8.4	---	---	5.6	5.3	6.3	5.7	7.2	6.9
18			8.6	8.5	---	---	---	---	6.4	6.2	---	---
19			8.6	8.5	---	---	---	---	6.4	6.0	---	---
20			---	---	---	---	---	---	6.4	6.3	---	---
21			---	---	---	---	---	---	6.4	6.4	---	---
22			---	---	---	---	---	---	6.5	6.4	7.3	7.1
23			9.6	8.7	---	---	---	---	6.4	6.3	7.3	7.2
24			9.5	9.0	---	---	---	---	6.3	6.1	7.4	7.2
25			10.0	9.0	---	---	---	---	6.4	5.9	7.5	7.3
26			9.8	8.3	---	---	---	---	6.4	6.1	---	---
27			9.4	8.7	---	---	---	---	6.5	6.3	---	---
28			9.4	8.9	---	---	---	---	6.4	6.3	---	---
29			9.2	8.7	---	---	---	---	6.4	6.2	---	---
30			8.6	8.1	6.2	6.0	---	---	6.3	6.2	7.7	7.5
31			---	---	---	---	---	---	6.3	6.1	---	---
MONTH			10.0	7.4	---	---	---	---	6.5	5.6	---	---

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°51'25", long 89°58'40", in lot 20, T.14 S., R.12 E., Plaquemines Parish, Hydrologic Unit 08090100, at ferry crossing at Belle Chasse and at mile 76.0 (122.3 km).

DRAINAGE AREA.--1,129,930 mi^2 (2,926,500 km^2), arbitrarily determined.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to current year.
WATER TEMPERATURES: October 1975 to current year.
CHLORIDE: October 1974 to current year.
SULFATE: October 1974 to September 1978.
DISSOLVED SOLIDS: October 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 692 micromhos Jan. 31, 1981; minimum daily, 248 micromhos Mar. 31, 1976, Jan. 24, 1979.
WATER TEMPERATURES: Maximum daily, 32.0°C on several days during July and August, 1977, July 16, 17, 18, 1980, Aug. 3, 1981; minimum daily, 2.0°C Feb. 6, 8, 10, 11, 1978.
CHOLRIDE: Maximum daily, 85 mg/L June 26, 27, 1977; minimum daily, 11 mg/L Apr. 21, May 12, 1976.
SULFATE: Maximum daily, 93 mg/L Oct. 30, 1976; minimum daily, 28 mg/L Apr. 1, 1976.
DISSOLVED SOLIDS: Maximum, 370 mg/L Jan. 21-31, 1981; minimum, 156 mg/L Jan. 21-31, 1979.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 692 micromhos Jan. 31; minimum daily, 325 micromhos June 20, 21.
WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 3; minimum daily, 7.0°C on several days during January and February.
CHLORIDE: Maximum daily, 70 mg/L Feb. 1; minimum daily, 12 mg/L June 6.
DISSOLVED SOLIDS: Maximum, 370 mg/L Jan. 21-31; minimum, 188 mg/L June 21-31.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
OCT 15...	1400	213000	487	7.0	22.0	10	3.2	7.1	1.3	K1400	190	160
NOV 06...	1100	188000	525	7.4	18.5	5	3.5	8.2	.3	K1000	K50	170
DEC 09...	1530	338000	484	7.0	11.5	5	38	--	--	K730	600	160
JAN 14...	1130	--	543	7.3	6.5	5	3.0	11.7	1.7	K60	--	190
FEB 02...	1255	204000	661	7.6	6.5	5	8.0	11.4	4.2	K380	K12	220
MAR 10...	1330	609000	416	7.2	9.5	5	110	8.9	3.1	350	200	150
APR 21...	1200	--	409	7.2	21.0	5	13	7.5	2.4	400	280	140
MAY 09...	1215	419000	401	7.1	21.0	5	60	6.8	1.7	--	40000	150
JUN 03...	1200	757000	354	7.0	21.0	5	130	7.0	2.4	--	530	130
JUL 13...	1100	530000	346	7.2	28.5	15	86	5.7	2.5	--	660	140
AUG 04...	0815	432000	436	7.2	31.0	5	57	5.9	4.5	--	1500	160
SEP 01...	0830	294000	465	6.7	29.0	10	35	6.2	1.0	--	4900	160

K Results based on colony count outside the acceptable range (non-ideal count).

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT 15...	45	42	14	32	4.2	117	63	42	.5	7.3	291	276
NOV 06...	47	43	15	36	4.4	122	70	37	.5	6.1	294	286
DEC 09...	55	40	15	36	3.5	107	71	38	.5	5.1	284	274
JAN 14...	60	47	17	37	3.3	127	71	47	.7	6.8	306	307
FEB 02...	80	56	20	55	3.8	142	79	74	.5	7.1	399	382
MAR 10...	57	40	12	23	3.0	92	59	29	.3	5.1	268	228
APR 21...	52	38	11	22	3.1	88	65	25	.4	3.7	251	222
MAY 09...	63	41	12	20	2.9	89	64	21	.2	5.8	230	222
JUN 03...	44	35	11	17	3.1	89	53	18	.3	5.5	207	198
JUL 13...	48	38	11	17	3.6	92	51	22	.3	7.0	215	207
AUG 04...	48	42	13	22	3.6	110	59	25	.3	7.7	273	240
SEP 01...	47	42	14	29	3.8	116	53	36	.4	7.5	275	258

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT 15...	1.2	1.2	.03	.03	.99	1.0	.39	.30	--	6.6	.9
NOV 06...	.85	.81	.17	.16	1.1	1.0	.31	.23	14	--	--
DEC 09...	.95	.96	.05	.08	1.1	.72	.31	.18	10	--	--
JAN 14...	1.5	1.5	.31	.29	1.4	1.6	.12	.12	--	3.1	.5
FEB 02...	1.4	1.5	.25	.26	1.4	1.1	.28	.22	8.6	--	--
MAR 10...	1.6	1.7	.23	.24	1.6	1.0	.29	.11	8.8	--	--
APR 21...	1.1	1.2	.06	.08	.97	.97	.21	.18	--	4.1	.4
MAY 09...	2.0	2.1	.16	.09	1.3	.96	.32	.26	6.2	--	--
JUN 03...	2.2	2.2	.14	.09	1.5	1.2	.47	.08	11	--	--
JUL 13...	2.1	2.1	.14	.15	1.6	1.5	.51	.12	--	13	.4
AUG 04...	1.8	1.8	.17	.06	1.2	.73	.28	.00	6.4	--	--
SEP 01...	1.7	1.8	.11	.12	1.2	1.1	.19	.13	4.6	--	--

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT 15...	2	2	100	70	1	4	--	10	0	<3
JAN 14...	1	1	100	70	0	<1	0	0	0	<3
APR 21...	1	1	200	50	0	<1	10	10	0	<3
JUL 13...	4	2	200	60	7	<1	20	10	8	<3

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 15...	24	9	1100	10	7	0	70	3	.0
JAN 14...	9	4	450	10	13	0	50	30	.3
APR 21...	8	5	750	10	0	2	40	4	.2
JUL 13...	32	6	16000	20	10	2	550	4	.7

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 15...	.0	5	2	0	0	0	0	60	30
JAN 14...	.0	3	4	0	0	0	0	20	8
APR 21...	.2	3	3	0	0	0	0	20	9
JUL 13...	.2	17	1	0	0	0	0	70	20

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS-SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L)	URANIUM NATURAL DIS-SOLVED (UG/L AS U)	URANIUM DIS-SOLVED, EXTRAC-TION (UG/L)
OCT 15...	8.0	1.0	5.4	.7	5.1	.9	4.7	.9	.22	1.7	--
APR 21...	<5.8	1.5	3.9	1.0	5.7	.7	5.5	.7	.22	--	1.5

< Actual value is known to be less than the value shown.

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 15...	1700	115	66100	93
NOV 06...	1200	92	46700	92
DEC 09...	--	123	112000	97
JAN 14...	--	93	--	97
FEB 02...	--	121	66600	89
MAR 10...	4200	496	816000	95
APR 21...	--	72	--	98
MAY 09...	2100	3840	4340000	99
JUN 03...	2700	6110	12500000	94
JUL 13...	1500	4860	6950000	99
AUG 04...	--	242	282000	99
SEP 01...	--	105	83300	98

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)
OCT		
01-10	280	.38
11-20	288	.39
21-31	286	.39
NOV		
01-10	301	.41
11-20	312	.42
21-30	301	.41
DEC		
01-10	287	.39
11-20	294	.40
21-31	299	.41
JAN		
01-10	312	.42
11-20	340	.46
21-31	370	.50
FEB		
01-10	371	.50
11-20	284	.39
21-28	286	.39
MAR		
01-10	265	.36
11-20	221	.30
21-31	228	.31

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)
APR		
01-10	249	.34
11-20	218	.30
21-30	243	.33
MAY		
01-10	236	.32
11-20	230	.31
21-31	269	.37
JUN.		
01-10	204	.28
11-20	193	.26
21-30	188	.26
JUL		
01-10	200	.27
11-20	221	.30
21-31	226	.31
AUG		
01-10	252	.34
11-20	239	.33
21-31	280	.38
SEP		
01-10	267	.36
11-20	279	.38
21-30	272	.37

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C). WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981 ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	451	487	508	514	668	451	435	452	393	357	425	470
2	453	500	502	520	683	451	430	443	363	364	427	476
3	471	505	508	523	683	451	437	434	350	363	424	477
4	478	518	514	526	637	457	440	428	349	368	427	478
5	---	515	500	539	624	426	446	428	345	360	427	479
6	488	514	497	541	625	426	451	411	349	361	---	---
7	512	525	496	546	645	421	423	410	357	344	---	506
8	512	525	496	551	596	422	421	406	343	338	397	510
9	508	523	478	510	556	414	423	402	335	334	403	525
10	483	514	478	539	557	414	414	406	343	340	396	535
11	486	493	485	539	533	425	415	395	352	350	383	535
12	495	503	490	522	532	436	414	395	352	---	381	529
13	479	521	498	523	516	431	402	394	353	---	366	504
14	---	546	495	545	499	422	395	394	340	---	366	491
15	---	523	477	560	492	389	403	393	328	---	376	504
16	489	519	486	575	488	390	411	412	331	366	375	520
17	489	531	502	624	---	375	398	434	---	378	375	502
18	511	533	524	593	481	374	400	427	334	392	---	523
19	510	530	543	590	460	362	391	442	332	396	---	511
20	506	538	556	589	437	368	389	443	325	400	---	495
21	491	535	556	616	442	380	403	428	325	399	---	488
22	498	532	521	616	447	392	434	425	328	396	407	487
23	493	541	521	598	467	395	450	427	328	402	427	471
24	509	534	520	607	469	405	441	439	336	389	443	487
25	501	518	516	618	495	413	437	445	331	389	452	476
26	494	521	513	621	502	420	445	446	395	392	485	484
27	502	524	522	628	504	417	445	459	338	390	484	484
28	500	522	527	633	488	414	443	438	342	403	466	509
29	494	---	517	647	---	432	453	432	344	406	471	513
30	483	509	510	674	---	434	457	430	341	396	470	507
31	489	---	515	692	---	430	---	444	---	409	467	---
MAX	512	546	556	692	683	457	457	459	395	409	485	535
MIN	451	487	477	510	437	362	389	393	325	334	366	470

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981 ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.0	20.0	12.0	8.0	---	9.0	14.0	21.0	22.0	28.0	30.0	30.0
2	27.0	20.0	12.0	8.0	---	9.0	14.0	21.0	21.0	28.0	31.0	29.0
3	27.0	20.0	11.0	8.0	7.0	10.0	15.0	21.0	21.0	28.0	32.0	30.0
4	26.0	20.0	11.0	8.0	7.0	---	16.0	21.0	22.0	---	31.0	30.0
5	---	20.0	11.0	9.0	7.0	11.0	15.0	21.0	23.0	28.0	30.0	31.0
6	24.0	20.0	12.0	10.0	8.0	11.0	15.0	20.0	23.0	28.0	---	31.0
7	24.0	21.0	12.0	9.0	8.0	11.0	15.0	21.0	23.0	28.0	---	30.0
8	23.0	21.0	12.0	9.0	10.0	11.0	16.0	21.0	23.0	28.0	20.0	30.0
9	23.0	21.0	12.0	8.0	9.0	11.0	18.0	21.0	24.0	28.0	30.0	29.0
10	23.0	21.0	12.0	8.0	9.0	11.0	18.0	21.0	25.0	28.0	30.0	29.0
11	23.0	18.0	11.0	8.0	9.0	12.0	17.0	21.0	25.0	28.0	29.0	---
12	22.0	18.0	11.0	8.0	8.0	12.0	18.0	21.0	25.0	---	29.0	29.0
13	22.0	17.0	11.0	7.0	9.0	12.0	19.0	21.0	26.0	---	29.0	29.0
14	---	18.0	11.0	7.0	8.0	12.0	20.0	21.0	25.0	---	29.0	30.0
15	---	20.0	13.0	7.0	8.0	11.0	20.0	21.0	25.0	---	29.0	30.0
16	22.0	19.0	13.0	7.0	9.0	10.5	20.0	22.0	26.0	28.0	29.0	30.0
17	22.0	20.0	12.0	7.0	9.0	11.0	20.0	22.0	---	28.0	29.0	28.0
18	22.0	18.0	12.0	7.0	9.0	11.0	20.0	22.0	26.0	29.0	---	27.0
19	22.0	18.0	12.0	7.0	10.0	11.5	20.0	21.0	26.0	29.0	---	27.0
20	22.0	16.0	12.0	7.0	10.0	11.5	21.0	23.0	26.0	30.0	---	26.0
21	21.0	15.5	12.0	7.0	9.0	12.0	20.0	21.0	27.0	31.0	---	26.0
22	21.0	15.0	12.0	7.0	10.0	12.0	21.0	22.0	28.0	31.0	29.0	26.0
23	22.0	16.0	12.0	7.0	8.0	12.0	21.0	22.0	28.0	31.0	29.0	25.0
24	21.0	15.0	12.0	7.0	8.0	12.0	21.0	21.0	28.0	31.0	30.0	26.0
25	20.0	15.0	9.0	7.0	9.0	12.0	21.0	21.0	27.0	30.0	30.0	26.0
26	20.0	---	9.0	7.0	9.0	12.0	21.0	22.0	27.0	31.0	30.0	27.0
27	21.0	---	9.0	7.0	9.0	12.0	21.0	22.0	27.0	31.0	---	27.0
28	21.0	---	9.0	8.0	9.0	12.0	21.0	23.0	27.0	31.0	30.0	27.0
29	21.0	---	9.0	9.0	---	12.0	21.0	22.0	28.0	31.0	30.0	26.0
30	19.0	---	9.0	9.0	---	13.0	---	23.0	27.0	31.0	30.0	26.0
31	19.0	---	8.0	8.0	---	13.0	---	23.0	---	---	30.0	---
MAX	28.0	21.0	13.0	10.0	10.0	13.0	21.0	23.0	28.0	31.0	32.0	31.0
MIN	19.0	15.0	8.0	7.0	7.0	9.0	14.0	20.0	21.0	28.0	20.0	25.0

07374525 MISSISSIPPI RIVER AT BELLE CHASSE, LA--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	36	40	44	70	41	37	30	26	24	31	36
2	34	38	42	42	---	40	32	30	24	22	30	38
3	38	38	46	48	48	38	33	30	21	28	28	36
4	32	37	45	47	54	40	33	32	20	20	29	35
5	---	38	42	55	56	30	35	30	30	22	28	34
6	34	38	37	56	54	30	36	36	12	20	---	38
7	38	44	36	58	61	29	30	23	24	20	---	42
8	40	45	40	60	50	29	31	28	21	20	28	40
9	38	44	36	46	44	33	32	30	20	20	30	46
10	33	40	38	52	42	30	30	30	24	21	32	38
11	33	34	30	53	39	31	32	25	24	24	34	45
12	---	32	34	46	40	30	34	22	22	---	33	42
13	39	36	34	44	36	32	32	30	24	---	27	38
14	---	40	34	50	35	32	28	27	24	---	30	34
15	---	34	36	48	34	31	28	24	22	---	29	36
16	40	36	38	51	35	30	29	30	24	26	28	40
17	36	39	37	60	35	28	27	34	---	25	28	36
18	38	40	42	48	33	30	29	30	20	26	---	34
19	38	36	44	48	33	27	28	31	21	26	---	36
20	40	36	45	54	34	26	27	30	20	26	---	34
21	34	40	50	51	38	29	27	29	19	29	---	30
22	36	40	38	55	38	29	32	30	24	28	33	35
23	35	37	38	46	44	30	36	30	23	32	36	31
24	41	38	40	46	40	34	34	31	20	33	35	34
25	39	36	40	54	50	34	34	31	21	30	34	32
26	36	38	34	56	54	35	34	29	30	34	40	34
27	38	38	40	59	51	34	35	32	26	31	37	34
28	34	40	40	60	50	34	30	29	23	35	34	40
29	34	33	36	64	---	37	34	32	22	35	40	40
30	34	37	37	67	---	37	32	28	41	26	36	36
31	34	---	42	69	---	36	---	26	---	28	38	---
MAX	41	45	50	69	70	41	37	36	41	35	40	46
MIN	32	32	30	42	33	26	27	22	12	20	27	30

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO JULY 1981

DATE	OCT 15,80	NOV 6,80	MAR 10,81	MAY 9,81	JUN 3,81	JUL 13,81
TIME	1400	1100	1330	1215	1200	1100
TOTAL CELLS/ML	1700	1200	4200	2100	2700	1500
DIVERSITY: DIVISION	1.5	1.3	1.0	1.5	1.3	1.1
.CLASS	1.5	1.3	1.0	1.5	1.3	1.1
..ORDER	1.8	1.4	1.7	2.1	1.9	2.1
...FAMILY	2.0	1.8	2.0	2.8	2.4	2.2
....GENUS	2.6	2.8	2.7	3.4	3.0	2.4

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)												
.CHLOROPHYCEAE												
..CHLOROCOCCALES												
...CHARACIACEAE												
....SCHROEDERIA	--	-	--	-	--	-	--	-	28	1	14	1
...HYDRODICTYACEAE												
....PEDIASTRUM	--	-	65	5	--	-	--	-	--	-	--	-
...MICRACTINIACEAE												
....MICRACTINIUM	--	-	--	-	110	3	--	-	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	39	2	--	-	56	1	42	2	28	1	--	-
....DICTYOSPHAERIUM	--	-	26	2	--	-	250	12	42	2	--	-
....KIRCHNERIELLA	--	-	26	2	--	-	14	1	--	-	--	-
....SELENASTRUM	13	1	--	-	--	-	--	-	--	-	--	-
....TETRAEDRON	13	1	--	-	--	-	--	-	--	-	--	-
...SCENEDESMACEAE												
....ACTINASTRUM	--	-	100	9	--	-	--	-	--	-	--	-
....SCENEDESMUS	410#	24	230#	19	110	3	110	5	220	8	55	4
....TETRASTRUM	100	6	100	9	220	5	56	3	--	-	--	-
..ULOTRICHALES												
...ULOTRICHACEAE												
....ULOTHRIX	--	-	--	-	110	3	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO JULY 1981

DATE	OCT 15,80		NOV 6,80		MAR 10,81		MAY 9,81		JUN 3,81		JUL 13,81	
TIME	1400		1100		1330		1215		1200		1100	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE) (CONTINUED)												
.CHLOROPHYCEAE (CONTINUED)												
..VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	13	1	13	1	420	10	70	3	42	2	--	-
...PHACOTACEAE												
....PTEROMONAS	--	-	--	-	--	-	--	-	--	-	14	1
CHRYSOPHYTA												
.BACILLARIOPHYCEAE												
..CENTRALES												
...COSCINODISCACEAE												
....COSCINODISCUS	--	-	--	-	28	1	--	-	70	3	14	1
....CYCLOTELLA	140	8	200#	16	2100#	50	320#	15	880#	33	82	6
....MELOSIRA	640#	38	360#	30	560	13	380#	18	360	13	140	9
....STEPHANODISCUS	--	-	--	-	56	1	--	-	--	-	--	-
..PENNALES												
...ACHNANTHACEAE												
....ACHNANTHES	--	-	--	-	28	1	--	-	--	-	--	-
....COCCONEIS	--	-	--	-	--	-	--	-	28	1	--	-
....RHOICOSPHENIA	--	-	--	-	--	-	--	-	--	-	14	1
...CYMBELLACEAE												
....AMPHORA	--	-	--	-	--	-	--	-	28	1	--	-
...FRAGILARIACEAE												
....ASTERIONELLA	--	-	--	-	84	2	42	2	--	-	--	-
....FRAGILARIA	--	-	--	-	--	-	28	1	110	4	110	7
....SYNEDRA	--	-	--	-	56	1	14	1	56	2	--	-
...NAVICULACEAE												
....GYROSIGMA	--	-	--	-	28	1	--	-	--	-	--	-
....NAVICULA	--	-	--	-	28	1	14	1	56	2	--	-
...NITZSCHIACEAE												
....NITZSCHIA	26	2	--	-	84	2	180	9	150	6	14	1
...SURIRELLACEAE												
....SURIRELLA	--	-	--	-	28	1	56	3	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.CRYPTOPHYCEAE												
..CRYPTOMONADALES												
...CRYPTOMONADACEAE												
....CRYPTOMONAS	26	2	--	-	84	2	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.CYANOPHYCEAE												
..CHROOCOCCALES												
...CHROOCOCCACEAE												
....ANACYSTIS	77	5	78	6	28	1	--	-	560#	21	440#	30
..HORMOGONALES												
...NOSTOCACEAE												
....NODULARIA	--	-	--	-	--	-	280	13	--	-	--	-
...OSCILLATORIACEAE												
....OSCILLATORIA	180	11	--	-	--	-	220	11	--	-	590#	40
EUGLENOPHYTA (EUGLENOIDS)												
.EUGLENOPHYCEAE												
..EUGLENALES												
...EUGLENACEAE												
....TRACHELOMONAS	--	-	--	-	--	-	--	-	28	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)

LOCATION.--Lat 29°16'33", long 89°21'10", T.21 S., R.31 E., Plaquemines Parish, Hydrologic Unit 08090100, in center of river at Venice and at mile 10.7 (17.2 km).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT											
14...	1430	769	7.2	22.5	5	10	<1.0	7.5	33	3.0	K1800
NOV											
07...	1130	1760	7.4	20.0	10	10	<1.0	7.2	20	7.0	K3000
DEC											
10...	1345	1610	7.4	11.5	5	65	<1.0	--	50	--	2000
JAN											
16...	1145	2790	7.2	7.5	5	8.0	<1.0	11.4	28	2.4	700
FEB											
03...	1115	4720	7.4	7.0	5	5.0	<1.0	11.3	0	2.6	320
26...	1140	--	--	--	--	--	--	--	--	--	500
MAR											
10...	1230	428	6.9	--	5	70	<1.0	11.0	31	6.6	3000
APR											
21...	1000	386	7.0	20.5	10	15	<1.0	7.5	41	7.1	620
MAY											
06...	1615	455	6.9	20.5	5	65	<1.0	6.8	29	1.3	--
JUN											
04...	1220	355	7.4	21.5	5	200	<1.0	6.1	39	1.2	900
JUL											
15...	1330	362	7.3	29.5	5	120	<1.0	5.2	52	.2	--
AUG											
03...	1230	420	7.0	32.0	5	25	<1.0	5.8	22	.2	340
SEP											
01...	0700	490	--	29.0	5	20	<1.0	6.2	50	1.4	2200

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT											
14...	340	--	180	61	42	18	118	73	130	19	1.1
NOV											
07...	--	580	280	150	50	38	127	120	430	19	.86
DEC											
10...	K450	--	240	130	44	31	112	130	360	77	.84
JAN											
16...	K72	K4	400	270	57	62	125	160	760	7	1.5
FEB											
03...	K50	<10	580	430	77	95	157	240	1200	11	1.3
26...	K60	K30	--	--	--	--	--	--	--	--	--
MAR											
10...	370	--	140	48	36	11	87	62	31	180	1.4
APR											
21...	92	--	140	54	37	11	84	58	25	17	1.2
MAY											
06...	K1900	1200	160	63	43	13	98	69	28	220	2.4
JUN											
04...	K380	K50	130	42	35	11	91	54	21	320	2.2
JUL											
15...	--	K400	140	49	39	11	94	52	22	206	1.9
AUG											
03...	120	--	160	52	41	13	104	54	32	14	1.7
SEP											
01...	410	--	160	44	43	13	117	58	31	125	1.7

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)
OCT 14...	.01	1.1	1.4	.36	2	1	0	<1	1	2
NOV 07...	.07	.93	.74	.29	2	2	0	<1	1	2
DEC 10...	.02	.86	.82	.21	2	1	0	<1	1	2
JAN 16...	.02	1.5	.98	.12	1	1	0	0	0	0
FEB 03...	.01	1.3	1.2	.28	1	1	0	0	0	0
26...	-	--	--	-	--	--	--	--	--	--
MAR 10...	.05	1.4	1.0	.28	3	1	0	<1	1	<1
APR 21...	.01	1.2	1.5	.30	1	1	0	<1	0	1
MAY 06...	.01	2.4	.99	.55	2	1	0	<1	1	<1
JUN 04...	.01	2.2	1.3	.62	4	1	0	0	1	0
JUL 15...	.02	1.9	1.5	.22	8	2	0	<1	3	1
AUG 03...	.00	1.7	.78	.20	2	2	0	<1	0	<1
SEP 01...	.03	1.7	.78	.24	3	2	0	<1	9	<1

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
OCT 14...	0	0	16	10	10	6	0	.2	.0	8
NOV 07...	0	0	8	5	10	5	2	.1	.0	5
DEC 10...	20	0	19	5	10	8	0	.2	.0	7
JAN 16...	10	0	13	4	40	17	2	.1	.0	6
FEB 03...	10	0	6	4	20	6	0	.9	.2	3
26...	--	--	--	--	--	--	--	--	--	--
MAR 10...	20	0	14	3	30	15	0	.3	.0	10
APR 21...	10	0	10	6	10	0	0	.1	.0	4
MAY 06...	10	0	16	7	20	13	4	.2	.0	9
JUN 04...	20	0	16	4	20	8	2	.3	.0	12
JUL 15...	20	0	17	14	70	9	0	.4	.0	9
AUG 03...	10	0	8	8	15	2	3	.2	.0	4
SEP 01...	10	0	23	8	<10	8	1	.2	.0	3

< Actual value is known to be less than the value shown.

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)
OCT										
14...	2	0	0	--	50	30	9.2	.00	0	0
NOV										
07...	5	1	0	--	20	7	11	.00	2	0
DEC										
10...	4	0	0	--	50	10	8.7	.00	0	0
JAN										
16...	2	0	0	--	20	10	4.3	.00	5	0
FEB										
03...	7	0	0	--	20	10	7.4	.00	3	0
26...	--	--	--	--	--	--	--	--	1	--
MAR										
10...	1	0	1	1.0	60	20	9.7	.00	0	0
APR										
21...	3	0	0	1.0	20	20	4.7	.00	0	0
MAY										
06...	8	0	0	1.0	70	10	10	.01	2	0
JUN										
04...	1	0	0	3.0	50	10	7.0	.00	2	0
JUL										
15...	5	0	0	3.0	60	10	8.7	.00	0	0
AUG										
03...	2	1	1	.0	700	11	3.9	.00	0	0
SEP										
01...	3	0	0	2.0	40	6	3.8	.00	2	0

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
JAN											
16...	<.1	7	<.1	<1.0	<.001	<.1	<.1	3.0	<.001	1.5	<.001

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN											
16...	1.4	<.001	<.1	.04	<.1	<.001	.4	<.001	<.1	<.001	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN										
16...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA (CE 01480)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN										
16...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN										
16...	<.01	<.10	<.1	<1	<.01	<.1	.03	<.01	<.01	<.01

DATE	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)
JAN	
16...	95900
16...	95500
16...	11700
MAY	
06...	58800
06...	155000
06...	96200

DATE	TIME	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV			
07...	1130	181	98
DEC			
17...	1200	126	99
MAY			
06...	1615	327	99
JUN			
04...	1220	708	95
JUL			
14...	1200	292	95
AUG			
18...	1200	142	97

290053089095700 MISSISSIPPI RIVER SOUTH PASS AT MILE 13.0 BHP, NEAR PORT EADS, LA (CE 01850)
(Formerly published as South Pass (Mile 13.0 BHP) of Mississippi River near Port Eads, LA (CE 01850))

LOCATION.--Lat 29°00'53", long 89°09'57", Plaquemines Parish, Hydrologic Unit 08090100, 14.5 mi (23.3 km) east of Burrwood, and 2.0 mi (3.2 km) southeast of Port Eads.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 28...	1015	6730	8.1	0	6.0	<1.0	7.7	41	--	960	100	830
NOV 18...	0950	6200	7.9	10	9.0	<1.0	8.3	42	.1	780	K95	780
DEC 10...	1507	3130	8.1	0	20	<1.0	9.6	13	.2	--	96	400
JAN 20...	1000	8190	7.9	5	5.0	<1.0	11.7	58	1.7	K400	58	930

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	700	85	150	1200	51	130	330	2200	20	.95	.03	.98
NOV 18...	650	82	140	1100	42	128	410	1900	17	.87	.02	.89
DEC 10...	280	54	64	510	18	120	180	880	43	.90	.03	.93
JAN 20...	800	92	170	1400	52	133	400	2500	15	1.4	.02	1.4

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 28...	.79	.28	2	2	0	0	0	0	0	0	4	5
NOV 18...	.67	.18	1	1	0	0	0	1	10	0	7	4
DEC 10...	1.3	.18	1	1	0	0	0	0	0	0	3	3
JAN 20...	1.1	.14	1	1	0	0	0	0	30	0	6	1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

290053089095700 MISSISSIPPI RIVER SOUTH PASS AT MILE 13.0 BHP, NEAR PORT EADS, LA (CE 01850)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	40	0	0	.0	.0	9	3	0	0	--	20	--
NOV 18...	30	3	2	.0	.0	2	1	0	0	--	20	3.6
DEC 10...	20	2	0	.1	.0	5	3	0	0	30	20	4.5
JAN 20...	30	6	0	.0	.0	3	3	0	0	--	10	4.3

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 28...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 18...	.00	1	0	.0	.0	.000	.0	.000	.002	.000	.01
DEC 10...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 28...	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.00	.00	.01	.00	4.44	.000
NOV 18...	.00	.00	.00	.0	.00	.01	.00	.00	.00	2.26	.000
DEC 10...	<.01	<.01	<.01	<.1	<.01	.02	.00	.01	.00	1.34	.000
JAN 20...	<.01	<.01	<.01	<.1	<.01	.03	.00	.01	.00	2.87	.000

< Actual value is known to be less than the value shown.

285442089253000 MISSISSIPPI RIVER SOUTHWEST PASS AT MILE 20.2 BHP, NEAR BURRWOOD, LA (CE 01670)
(Formerly published as Southwest Pass (Mile 20.2 BHP) of Mississippi River near Burrwood, LA (CE 01670))

LOCATION.--Lat 28°54'42", long 89°25'30", Plaquemines Parish, Hydrologic Unit 08090100, 25 mi (40 km) south of Venice and 5.0 mi (8.0 km) southwest of Burrwood.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 28...	1025	7060	8.0	5	4.0	<1.0	7.6	41	--	1000	K80	870
NOV 18...	1002	9440	8.0	10	10	<1.0	8.6	50	.8	280	K65	1100
DEC 10...	1457	6770	8.0	0	15	<1.0	9.5	31	.5	--	100	750
JAN 20...	1010	5390	7.8	0	6.0	<1.0	11.7	39	1.3	440	64	640

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	740	83	160	1200	53	130	320	2200	6	.94	.03	.97
NOV 18...	1000	110	210	1700	61	127	420	3000	24	.79	.02	.81
DEC 10...	630	69	140	1100	42	119	350	2000	40	.81	.03	.84
JAN 20...	500	73	110	850	31	135	280	1500	13	1.5	.02	1.5

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 28...	.60	.28	2	2	0	0	0	0	10	0	4	5
NOV 18...	.63	.18	1	1	0	0	0	0	0	0	6	3
DEC 10...	1.1	.17	1	1	0	0	0	0	20	0	2	3
JAN 20...	.98	.16	1	1	0	0	0	0	10	0	9	3

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

285442089253000 MISSISSIPPI RIVER SOUTHWEST PASS AT MILE 20.2 BHP, NEAR BURRWOOD, LA (CE 01670)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
28...	30	0	0	.0	.0	8	3	1	0	10	10	--
NOV												
18...	30	4	2	.0	.0	4	2	0	0	30	10	3.8
DEC												
10...	80	2	2	.1	.0	5	4	0	0	30	20	28
JAN												
20...	20	5	0	.2	.0	3	3	0	0	10	10	5.3

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT											
28...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV											
18...	.00	2	0	.0	.0	.000	.0	.000	.000	.000	.01
DEC											
10...	.00	3	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN											
20...	.01	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT											
28...	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV											
18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC											
10...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
20...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
28...	.00	.00	.00	.0	.00	.00	.00	.01	.00	3.48	.000
NOV											
18...	.00	.00	.00	.0	.00	.00	.00	.00	.00	2.76	.000
DEC											
10...	<.01	<.01	<.01	<.1	<.01	.02	.00	.01	.00	2.37	.000
JAN											
20...	<.01	<.01	<.01	<.1	<.01	.03	.00	.01	.00	1.62	.170

< Actual value is known to be less than the value shown.

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)

LOCATION.--Lat 30°11'16", long 90°07'33", T.10 S., R.10 E., Jefferson Parish, Hydrologic Unit 08090202, 12.5 mi (20.1 km) north of New Orleans.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 27...	1020	6080	7.6	0	3.0	<1.0	9.4	40	.8	<5	<5	750
NOV 19...	1025	7610	7.6	5	6.0	<1.0	9.5	49	.4	<5	<5	800
DEC 09...	1046	9480	7.5	0	2.0	<1.0	10.2	140	1.1	K4	<2	1100
JAN 19...	1000	9800	7.7	0	3.0	<1.0	11.5	50	1.3	<4	<2	1000

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 27...	720	54	150	1200	49	38	310	2700	10	.00	.00	.00
NOV 19...	760	58	160	1300	49	43	270	2400	9	.00	.00	.00
DEC 09...	1100	76	230	1600	82	47	430	3100	5	.00	.00	.00
JAN 19...	960	77	200	1900	65	52	480	3300	6	.00	.00	.00

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT 27...	.79	.04	1	1	0	0	0	0	10	0	7	3
NOV 19...	.77	.04	1	0	--	10	0	0	10	0	3	2
DEC 09...	.54	.03	0	1	0	0	0	0	0	0	4	0
JAN 19...	--	.01	0	0	--	10	0	0	30	0	7	1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

301116090073300 LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE, NEAR NEW ORLEANS, LA (CE 85600)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	30	0	2	.0	.0	8	2	0	0	10	10	--
NOV 19...	30	7	2	.0	.0	2	4	0	0	30	20	4.0
DEC 09...	60	2	0	.0	.0	4	0	0	0	30	20	4.8
JAN 19...	30	22	1	.0	.0	3	2	0	0	--	20	6.7

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 27...	.00	5	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 19...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.00
DEC 09...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 19...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 19...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 09...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	.00	.00	.0	.00	.01	.00	.00	.00	.360	.000
NOV 19...	.00	.00	.00	.0	.00	.02	.00	.00	.00	.670	.000
DEC 09...	<.01	<.01	<.01	<.1	<.01	.03	.00	.00	.00	1.82	.000
JAN 19...	<.01	<.01	<.01	<.1	<.01	--	--	--	--	2.39	.000

< Actual value is known to be less than the value shown.

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETS, NEAR SLIDELL, LA (CE 85731)

LOCATION.--Lat 30°10'15", long 89°45'15", T.10 S., R.14 E., Orleans Parish, Hydrologic Unit 08090202, 5.8 mi (9.3 km) south-southeast of Slidell.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1979 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 27...	1045	15600	7.8	0	2.0	<1.0	9.1	65	1.4	K25	<5	1800
NOV 19...	1055	12900	7.7	5	7.0	<1.0	9.7	95	.7	K15	<5	1400
DEC 09...	1118	12100	7.5	0	6.0	<1.0	9.4	200	1.1	K24	K6	1300
JAN 19...	1040	10400	7.7	0	3.0	<1.0	11.4	63	.8	--	K20	1100

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 27...	1700	120	360	2900	120	54	710	5300	7	.00	.00	.00
NOV 19...	1400	99	290	2300	84	51	470	4400	8	.00	.00	.00
DEC 09...	1300	95	270	2100	90	43	540	3900	13	.00	.01	.01
JAN 19...	1100	82	220	1900	62	54	500	3400	5	.02	.00	.02

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 27...	.59	.05	1	1	0	0	0	1	30	0	4	2
NOV 19...	.68	.04	0	0	--	10	5	0	20	0	2	1
DEC 09...	.59	.04	0	0	0	0	0	0	0	0	4	0
JAN 19...	.73	.02	0	0	0	0	0	0	50	0	6	1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

301015089451500 LAKE PONTCHARTRAIN AT WEST RIGOLETS, NEAR SLIDELL, LA (CE 85731)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	30	3	2	.0	.0	4	2	0	0	10	10	--
NOV 19...	30	10	2	.0	.0	4	2	0	0	10	10	4.2
DEC 09...	70	0	0	.0	.0	6	0	0	0	40	20	4.9
JAN 19...	20	23	1	.0	.0	4	1	0	0	--	40	6.1

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT 27...	.00	6	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 19...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.01
DEC 09...	.00	6	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 19...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 19...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 09...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT 27...	.00	.00	.00	.0	.00	--	--	--	--	1.89	.000
NOV 19...	.00	.00	.00	.0	.00	.02	.00	.00	.00	2.50	.000
DEC 09...	<.01	<.01	<.01	<.1	<.01	.02	.00	.00	.00	1.75	.000
JAN 19...	<.01	<.01	<.01	<.1	<.01	.03	.00	.00	.00	1.85	.000

< Actual value is known to be less than the value shown.

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)

LOCATION.--Lat 30°05'55", long 89°49'03", in lot 37, T.11 S., R.14 E., Orleans Parish, Hydrologic Unit 08090202, 2.1 mi (3.4 km) north-northwest of Chef Menteur.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1979 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 27...	1055	16700	7.9	0	4.0	<1.0	9.0	79	1.5	K20	<5	1900
NOV 19...	1100	13100	7.7	5	8.0	<1.0	9.6	68	.8	K5	<5	1400
DEC 09...	1126	12100	7.6	0	2.0	<1.0	10.0	98	1.3	K40	K2	1300
JAN 19...	1045	11000	7.8	5	3.0	<1.0	11.3	56	.5	K4	K2	1200

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 27...	1800	130	380	3100	90	62	710	5600	14	.00	.00	.00
NOV 19...	1400	100	290	2400	96	52	490	4400	13	.00	.00	.00
DEC 09...	1300	97	260	2300	90	49	580	4100	8	.00	.00	.00
JAN 19...	1200	89	240	2100	64	57	550	3900	7	.02	.00	.02

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT 27...	.78	.04	1	1	0	0	1	0	20	0	5	2
NOV 19...	1.0	.04	1	0	--	10	1	0	10	0	3	2
DEC 09...	.71	.04	1	0	--	10	0	1	0	0	5	0
JAN 19...	.70	.02	0	0	0	0	0	0	40	0	6	2

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

300555089490300 LAKE PONTCHARTRAIN AT CHEF MENTEUR PASS, NEAR CHEF MENTEUR, LA (CE 85739)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	40	3	0	.0	.0	5	4	0	0	10	10	--
NOV 19...	40	6	2	.0	.0	3	4	0	0	20	20	4.3
DEC 09...	60	3	0	.0	.0	5	0	0	0	30	20	4.5
JAN 19...	30	7	2	.0	.0	4	1	0	0	30	10	5.5

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 27...	.00	10	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 19...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.01
DEC 09...	.00	2	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 19...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 19...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 09...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	.00	.00	.0	.00	.00	.00	.00	.00	4.65	.000
NOV 19...	.00	.00	.00	.0	.00	.30	.00	.00	.00	5.70	.000
DEC 09...	<.01	<.01	<.01	<.1	<.01	.02	.00	.00	.00	4.69	.000
JAN 19...	<.01	<.01	<.01	<.1	<.01	.02	.00	.00	.00	2.28	.000

< Actual value is known to be less than the value shown.

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)

LOCATION.--Lat 30°02'05", long 90°01'55", T.12 S., R.12 E., Orleans Parish, Hydrologic Unit 08090202, at New Orleans.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
27...	0920	8550	7.3	5	1.0	<1.0	9.4	120	1.3	960	260	930
NOV												
19...	0925	9820	7.5	5	6.0	<1.0	9.5	110	.8	--	K25	1100
DEC												
09...	0925	7650	7.2	0	2.0	<1.0	11.0	68	1.4	140	K48	830
JAN												
19...	0850	8300	7.4	5	4.0	<1.0	10.6	48	.8	K48	K12	860

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT												
27...	890	61	190	1500	64	42	380	2800	3	.14	.01	.15
NOV												
19...	1100	78	220	1900	79	46	370	3400	12	.05	.00	.05
DEC												
09...	780	68	160	1400	65	46	340	2400	6	.00	.00	.00
JAN												
19...	820	66	170	1400	54	49	370	2600	4	.04	.01	.05

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT												
27...	.82	.19	1	1	0	0	2	1	10	0	4	4
NOV												
19...	.81	.07	1	1	0	0	0	0	10	0	2	2
DEC												
09...	.48	.05	0	1	--	10	1	0	0	0	5	0
JAN												
19...	.68	.04	0	0	0	0	0	0	10	0	7	2

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

300205090015500 LAKE PONTCHARTRAIN (AT IHN CANAL) AT NEW ORLEANS, LA (CE 76062)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	20	0	0	.0	.0	8	5	0	0	10	10	8.1
NOV 19...	40	4	1	.0	.0	4	3	0	0	--	20	4.4
DEC 09...	50	0	0	.0	.0	4	0	0	0	40	20	5.8
JAN 19...	10	13	1	.0	.1	4	3	0	0	20	20	5.4

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 27...	.00	2	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 19...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC 09...	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 19...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 27...	.001	.000	.000	.00	.000	.000	.002	.00	.00	.00	.00
NOV 19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 09...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	.00	.00	.0	.00	.33	.00	.00	.00	3.04	1.25
NOV 19...	<.01	<.01	<.01	<.1	<.01	.04	.00	.00	.00	3.29	.000
DEC 09...	<.01	<.01	<.01	<.1	<.01	.04	.00	.00	.00	6.14	.000
JAN 19...	<.01	<.01	<.01	<.1	<.01	--	--	--	--	5.34	.000

< Actual value is known to be less than the value shown.

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)

LOCATION.--Lat 30°00'24", long 89°56'05", T.12 S., R.13 E., Orleans Parish, Hydrologic Unit 08090203, at New Orleans.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 27...	1225	19200	7.8	--	5	2.0	<1.0	8.8	73	3.1	140	K40
NOV 19...	1345	12700	7.8	--	5	5.0	<1.0	--	100	--	400	K65
DEC 09...	1327	16600	7.8	--	0	2.0	<1.0	10.4	150	2.0	920	110
JAN 19...	1255	20700	7.8	--	0	2.0	<1.0	11.4	140	2.0	140	K24
JUN 18...	1030	17100	7.2	31.0	5	4.0	<1.0	6.9	200	--	88	--
AUG 12...	1400	27600	7.8	31.5	10	8.0	<1.0	6.8	1100	2.8	K90	<2

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 27...	2200	2200	150	450	3800	150	75	920	7000	14	.00	.00
NOV 19...	1500	1400	110	290	2200	80	55	580	4300	14	.10	.00
DEC 09...	1900	1800	120	380	3400	90	67	790	5800	30	.02	.00
JAN 19...	2400	2300	160	480	3700	120	75	1100	6800	25	.09	.01
JUN 18...	1900	1800	140	380	3300	150	65	790	5900	14	.14	.01
AUG 12...	3300	3200	220	670	5400	210	97	1400	10000	27	.04	.15

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
OCT 27...	.00	1.2	.08	1	1	0	0	0	0	40	0	11
NOV 19...	.10	--	.08	0	1	10	0	0	0	20	0	6
DEC 09...	.02	.56	.05	0	0	0	0	0	0	20	0	2
JAN 19...	.10	.66	.07	0	1	0	0	0	0	40	0	4
JUN 18...	.15	.77	.05	1	1	10	0	1	0	20	0	5
AUG 12...	.19	.95	.12	9	0	20	0	0	0	30	0	8

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

300024089560500 INTRACOASTAL WATERWAY AT NOPSI PLANT NEAR PARIS ROAD, AT NEW ORLEANS, LA (CE 76042)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 27...	2	30	4	2	.0	.0	3	3	0	0	20	20
NOV 19...	3	40	3	0	.2	.0	3	0	0	0	30	20
DEC 09...	2	60	0	2	.0	.0	4	3	0	0	30	20
JAN 19...	0	70	7	7	.0	.0	4	0	0	0	--	20
JUN 18...	2	50	18	2	.1	.1	17	1	0	0	--	20
AUG 12...	5	110	3	2	.2	.0	1	2	0	0	40	20

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 27...	--	.00	10	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 19...	--	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC 09...	5.0	.00	0	--	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 19...	6.1	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JUN 18...	4.3	--	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
AUG 12...	5.1	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.02

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 09...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUN 18...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
AUG 12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	.00	.00	.0	.00	.02	.00	.00	.00	27.3	.000
NOV 19...	<.01	<.01	<.01	<.1	<.01	.05	.00	.00	.00	3.04	.000
DEC 09...	<.01	<.01	<.01	<.1	<.01	.03	.00	.00	.00	1.51	.000
JAN 19...	<.01	<.01	<.01	<.1	<.01	.02	.00	.00	.00	4.89	.000
JUN 18...	<.01	<.01	<.01	<.1	<.01	.06	<.01	<.01	<.01	4.46	.000
AUG 12...	<.01	<.01	<.01	<.1	<.01	.16	<.01	<.01	<.01	6.62	.000

< Actual value is known to be less than the value shown.

300404089482500 CHEF MENTEUR PASS NEAR LAKE BORGNE, AT CHEF MENTEUR, LA (CE 85750)

LOCATION.--Lat 30°04'04", long 89°48'25", T.12 S., R.14 E., Orleans Parish, Hydrologic Unit 08090203, north of U.S. Highway 90 bridge and 0.1 mi (0.2 km) southwest of Chef Menteur.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 31.0°C Sept. 24-30, 1980; minimum daily, 3.0°C Jan. 24, 1979.
CHLORIDE: Maximum daily, 8,100 mg/L Sept. 1, 1977; minimum daily, 50 mg/L May 10, 14, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 27.0°C Oct. 1-4; minimum daily, 7.0°C Jan. 20.
CHLORIDE: Maximum daily, 7,000 mg/L Feb. 8; minimum daily, 2,800 mg/L Dec. 16.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	17.0	15.0	13.0	12.0							
2	27.0	17.0	16.0	13.0	11.0							
3	27.0	18.0	14.0	12.0	11.0							
4	27.0	19.0	15.0	13.0	11.0							
5	24.0	18.0	15.0	10.0	10.0							
6	24.0	19.0	15.0	10.0	9.0							
7	24.0	19.0	15.0	11.0	9.0							
8	24.0	19.0	18.0	10.0	10.0							
9	24.0	19.0	17.0	10.0	10.0							
10	24.0	20.0	17.0	10.0	10.0							
11	24.0	20.0	17.0	---	8.0							
12	24.0	20.0	14.0	8.0	9.0							
13	23.0	19.0	14.0	8.0	9.0							
14	23.0	20.0	14.0	---	9.0							
15	23.0	20.0	14.0	---	10.0							
16	23.0	20.0	14.0	9.0	10.0							
17	---	20.0	13.0	---	10.0							
18	---	17.0	13.0	---	11.0							
19	---	15.0	13.0	---	11.0							
20	---	15.0	13.0	7.0	11.0							
21	---	15.0	13.0	9.0	11.0							
22	---	15.0	13.0	9.0	11.0							
23	---	15.0	13.0	10.0	11.0							
24	---	15.0	---	10.0	11.0							
25	---	14.0	---	11.0	16.0							
26	---	14.0	10.0	11.0	16.0							
27	---	14.0	10.0	12.0	16.0							
28	---	14.0	10.0	13.0	16.0							
29	---	14.0	---	13.0	---							
30	---	14.0	---	13.0	---							
31	17.0	---	---	---	---							
MAX	---	20.0	18.0	13.0	16.0							
MIN	---	14.0	10.0	7.0	8.0							

300404089482500 CHEF MENTEUR PASS NEAR LAKE BORGNE, AT CHEF MENTEUR, LA (CE 85750)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3900	4100	4500	5800	5000							
2	4200	4200	4200	5700	5300							
3	4100	4600	4000	5800	3400							
4	4200	5000	4600	5700	3800							
5	3800	4600	4600	5700	6000							
6	5400	3400	4600	4400	6900							
7	5800	5000	4600	4500	6700							
8	4500	5300	4400	4800	7000							
9	5200	5400	4400	4800	4800							
10	5000	5300	4200	4900	4500							
11	4700	5600	4000	---	4000							
12	4600	5000	3800	4900	4000							
13	5900	5000	3200	3700	4100							
14	6000	5000	3400	3400	4300							
15	6000	6400	3600	---	5000							
16	6000	6400	2800	4900	5000							
17	---	6400	3000	---	4600							
18	---	4700	3600	---	3900							
19	---	4400	3800	---	3400							
20	---	4500	4000	5100	3400							
21	---	5800	4200	4300	3000							
22	---	5600	4400	4400	3000							
23	---	5800	4400	6300	3000							
24	---	5900	---	6200	3900							
25	---	5600	---	6100	3800							
26	---	5100	4100	6100	3800							
27	---	5000	4000	6100	4200							
28	---	3600	4100	6000	3800							
29	---	3800	---	6300	---							
30	---	3800	---	6100	---							
31	3900	---	---	---	---							
MAX	---	6400	4600	6300	7000							
MIN	---	3400	2800	3400	3000							

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)

LOCATION.--Lat 29°56'23", long 89°50'18", T.13 S., R.14 E., St. Bernard Parish, Hydrologic Unit 08090203, 4.5 mi (7.2 km) northeast of Violet.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1976, 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 27...	1220	25200	7.9	0	2.0	<1.0	9.3	280	1.8	<5	<5	3000
NOV 19...	1335	15000	7.7	5	7.0	<1.0	9.4	75	1.3	120	K25	1700
DEC 09...	1317	17800	7.7	0	3.0	<1.0	9.3	140	1.3	K20	K20	2200
JAN 19...	1245	18800	7.8	5	5.0	<1.0	11.1	2200	1.4	<4	K4	2100

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 27...	2900	200	600	5100	190	81	1200	9200	18	.00	.00	.00
NOV 19...	1600	110	340	2700	780	59	770	5400	15	.00	.00	.00
DEC 09...	2100	140	450	3400	150	67	900	6300	15	.00	.01	.01
JAN 19...	2000	140	420	3500	110	72	860	6200	5	.03	.01	.04

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 27...	1.7	.05	1	1	0	0	0	0	70	0	4	2
NOV 19...	.69	.12	1	1	0	0	1	0	20	0	2	1
DEC 09...	.81	.05	1	1	10	10	0	0	0	0	4	0
JAN 19...	.61	.05	0	0	10	0	0	0	40	0	6	1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

295623089501800 MISSISSIPPI RIVER GULF OUTLET AT MILE 52.8 AT BAYOU DUPRE, NEAR VIOLET, LA (CE 85764)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 27...	230	2	1	.0	.0	7	3	0	0	20	20	--
NOV 19...	50	3	0	.0	.0	4	2	0	0	20	20	6.8
DEC 09...	90	1	0	.0	.0	2	0	0	0	20	20	4.8
JAN 19...	60	8	1	.0	.0	5	3	0	0	20	20	6.4

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 27...	.00	5	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 19...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC 09...	.00	1	--	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 19...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 09...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	.00	.00	.0	.00	.00	.00	.00	.00	9.74	.000
NOV 19...	<.01	<.01	<.01	<.1	<.01	.04	.00	.00	.00	5.75	.000
DEC 09...	<.01	<.01	<.01	<.1	<.01	.01	.00	.00	.00	6.89	.000
JAN 19...	<.01	<.01	<.01	<.1	<.01	.01	.00	.00	.00	3.12	.000

< Actual value is known to be less than the value shown.

295019089411500 BAYOU LALOUTRE AT ALLUVIAL CITY, AT YSCLOSKEY, LA (CE 85775)

LOCATION.--Lat 29°50'19", long 89°41'15", T.14 S., R.15 E., St. Bernard Parish, Hydrologic Unit 08090203, 0.2 mi (0.3 km) south of Yscloskey.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1979, November 1980 to September 1981.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 20, 1977; minimum daily, 0.5°C Jan. 2, 5, 14, 16, 17, 1981.
CHLORIDE: Maximum daily, 16,000 mg/L June 29, 30, July 1-4, 7-9, 12, 1977, Sept. 6, 1981; minimum daily, 1,100 mg/L Apr. 11, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 22.0°C Sept. 1-12, 25-27, 30; minimum daily, 0.5°C Jan. 2, 5, 14, 16, 17.
CHLORIDE: Maximum daily, 16,000 mg/L Sept. 6; minimum daily, 4,500 mg/L Feb. 12, 24, 25.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		11.0	8.0	4.5	3.0	9.5	15.5					22.0
2		11.0	5.0	.5	3.5	9.5	15.5					22.0
3		11.0	8.0	1.5	3.5	10.0	16.5					22.0
4		11.0	7.0	1.5	4.5	11.0	16.5					22.0
5		11.0	5.0	.5	4.0	11.5	18.0					22.0
6		11.0	5.0	1.0	4.5	11.0	18.5					22.0
7		11.0	5.0	1.0	5.0	11.0	18.0					22.0
8		11.0	5.0	2.0	5.5	10.0	19.0					22.0
9		11.0	6.0	2.0	5.0	9.0	19.5					22.0
10		12.0	6.0	1.0	4.5	9.0	19.0					22.0
11		12.0	6.0	1.0	4.0	10.0	18.5					22.0
12		14.0	8.0	1.5	3.5	9.5	18.0					22.0
13		14.0	8.0	1.5	4.0	9.0	19.5					21.0
14		14.0	8.0	.5	3.5	8.0	19.5					21.0
15		14.0	8.0	1.0	3.5	7.0	16.0					21.0
16		14.0	8.0	.5	4.0	7.0	16.0					21.0
17		14.0	7.0	.5	4.0	5.5	16.0					21.0
18		14.0	7.0	2.0	3.5	5.5	16.0					21.0
19		---	7.0	4.5	4.5	5.0	16.0					21.0
20		11.0	7.0	5.0	5.0	5.5	16.0					21.0
21		11.0	7.0	5.0	6.0	8.0	16.0					21.0
22		11.0	7.0	5.5	6.0	9.0	16.0					21.0
23		8.0	5.0	6.0	6.5	10.0	16.0					21.0
24		8.0	4.5	6.0	6.5	11.0	16.0					21.0
25		9.0	5.0	6.0	7.0	11.5	16.0					22.0
26		10.0	5.0	5.5	7.0	13.0	16.0					22.0
27		10.0	4.5	5.0	6.5	13.5	16.0					22.0
28		8.0	3.5	5.0	5.0	14.5	16.0					---
29		5.0	3.5	4.5	---	14.5	16.0					---
30		7.0	4.0	4.0	---	15.0	16.0					22.0
31		---	4.5	4.0	---	15.5	---					---
MAX		14.0	8.0	6.0	7.0	15.5	19.5					22.0
MIN		5.0	3.5	.5	3.0	5.0	15.5					21.0

295019089411500 BAYOU LALOUTRE AT ALLUVIAL CITY, AT YSCLOSKEY, LA (CE 85775)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8000	6500	8000	9800	4700	4700	8600	9100	9400	9100	9500	9200
2	8000	6100	7700	7800	4700	4700	8400	8800	9600	8400	9400	8800
3	7900	6300	7300	7400	4700	4600	8600	8900	9400	8900	9200	10000
4	7700	6300	6700	7400	4700	4600	8600	9000	9400	8800	9200	9800
5	8000	6500	6800	7600	4600	4600	8600	8300	9600	9100	9200	9100
6	8000	6200	6800	7400	4700	7100	8500	9100	9200	9100	9200	16000
7	8000	6400	6900	7800	4800	7000	8300	8600	9500	9200	9400	9200
8	7800	6200	6700	7500	4800	7100	8000	9000	9600	9200	9400	9300
9	7900	6500	6700	7800	5000	7700	8700	8700	9300	9100	9200	9200
10	7900	6300	6600	7800	4700	7100	8300	9000	9300	9200	9400	9200
11	8600	6400	6800	7700	4700	7300	8200	8700	9700	9100	9200	9100
12	8700	6200	6800	7600	4500	7500	7900	9100	9400	8900	9400	9200
13	8600	6200	6900	8000	4700	7300	8200	9300	9500	9100	9700	9200
14	8600	6400	6700	7700	4700	---	8200	9100	9500	9000	9400	9200
15	8700	6500	6800	7600	4600	7300	7500	---	9900	9000	9500	9100
16	9900	6400	6800	7700	4800	7400	7200	---	9700	9000	9400	7600
17	8500	6000	6900	7900	4800	7500	7600	---	9400	10000	9300	7500
18	8700	6200	6800	9800	4700	7500	7200	---	9800	13000	9200	7600
19	8800	---	6700	8700	4600	7200	7300	---	9800	13000	9400	7600
20	6300	8000	6400	9800	4700	7400	7600	---	9900	12000	9200	7600
21	6300	7800	6200	9800	4600	8700	7500	---	9900	12000	---	7900
22	6400	8000	8000	9800	4600	8700	7000	---	9700	12000	9200	8000
23	6100	7600	7100	13000	4600	8400	7500	---	9900	12000	9300	7700
24	6400	8000	7400	9800	4500	8400	7200	---	9600	13000	9400	7600
25	6400	8000	7300	10000	4500	8400	7500	---	9600	13000	9300	7800
26	6300	8000	7200	10000	4700	8600	7100	---	9600	13000	9200	7800
27	6400	8000	7200	9700	4600	9500	7400	---	9700	13000	9500	7600
28	6300	8000	7300	9600	7100	8400	7300	---	---	13000	9300	---
29	6400	8000	8000	9900	---	8600	7500	9700	8200	---	9300	---
30	6600	8000	6900	10000	---	8400	9000	9700	8400	---	9300	7800
31	6500	---	7200	10000	---	8600	---	9300	---	---	9500	---
MAX	9900	8000	8000	13000	7100	9500	9000	---	9900	13000	9700	16000
MIN	6100	6000	6200	7400	4500	4600	7000	---	8200	8400	9200	7500

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA

LOCATION.--Lat 29°27'30", long 89°03'22", T.22 S., R.21 E., Plaquemines Parish, Hydrologic Unit 08090203, 42.4 mi (78.2 km) southeast of Hopedale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 99212.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 27...	1200	41100	8.2	0	2.0	<1.0	9.7	150	1.7	<5	5	4900
NOV 19...	1245	47700	8.0	0	8.0	<1.0	9.5	370	.7	<5	<5	5900
DEC 09...	1244	34400	8.0	0	5.0	<1.0	10.8	330	1.8	<4	<2	4500
JAN 19...	1205	46200	8.1	0	2.0	<1.0	11.2	270	.6	<4	<2	5900

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 27...	4800	330	1000	8700	350	112	2100	16000	36	.00	.00	.00
NOV 19...	5800	400	1200	10000	420	119	1200	19000	41	.00	.00	.00
DEC 09...	4400	390	850	6500	330	105	1800	13000	22	.03	.01	.04
JAN 19...	5800	390	1200	10000	310	118	2600	19000	43	.00	.01	.01

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 27...	.95	.04	1	1	--	10	0	1	70	0	4	3
NOV 19...	.56	.03	1	1	--	30	0	0	40	0	2	1
DEC 09...	.54	.05	1	1	20	0	1	0	40	0	5	0
JAN 19...	--	.02	0	0	10	10	0	0	100	0	5	0

< Actual value is known to be less than the value shown.

292730089032200 MISSISSIPPI RIVER GULF OUTLET AT MILE -5.0 (BRETON SOUND), NEAR HOPEDALE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
27...	530	3	0	.0	.0	5	3	0	0	20	20	--
NOV												
19...	190	2	3	.0	.1	3	2	0	0	--	40	2.0
DEC												
09...	150	5	0	.0	.0	19	0	0	0	70	30	3.6
JAN												
19...	180	20	0	.0	.2	2	1	0	0	30	30	3.7

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT											
27...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV											
19...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
DEC											
09...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN											
19...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT											
27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV											
19...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC											
09...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT											
27...	.00	.00	.00	.0	.00	.00	.00	.00	.00	.680	.000
NOV											
19...	.00	.00	.00	.0	.00	.00	.00	.00	.00	1.20	.000
DEC											
09...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	3.85	.000
JAN											
19...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	.000	.000

< Actual value is known to be less than the value shown.

294045089235100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0, NEAR HOPEDALE, LA

LOCATION.--Lat 29°40'45", long 89°23'51", T.16 S., R.18 E., St. Bernard Parish, Hydrologic Unit 08090203, near Gardner Island, at mile 20.0, 18.1 mi (29.1 km) southeast of Hopedale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975-76, 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 85852.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
27...	1215	29800	8.0	5	3.0	<1.0	9.4	110	1.7	<5	<5	3600
NOV												
19...	1305	27400	7.9	5	7.0	<1.0	9.4	130	.8	K5	<5	3200
DEC												
09...	1257	32600	8.0	0	4.0	<1.0	9.6	630	1.1	<4	<2	4000
JAN												
19...	1220	26800	7.9	0	4.0	<1.0	11.1	81	1.2	K4	<2	3200

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT												
27...	3500	240	730	5900	230	90	1500	11000	38	.00	.00	.00
NOV												
19...	3100	220	640	5200	210	82	660	9800	21	.00	.00	.00
DEC												
09...	3900	270	800	6400	320	90	1600	12000	19	.00	.01	.01
JAN												
19...	3100	210	640	5500	180	84	1400	9900	34	.00	.00	.00

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT												
27...	.95	.04	1	1	0	0	0	0	50	0	4	2
NOV												
19...	.63	.05	1	1	--	20	0	0	40	0	2	1
DEC												
09...	.41	.04	2	5	20	20	0	0	40	0	4	0
JAN												
19...	.69	.03	0	0	10	10	0	0	70	0	4	0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294045089235100 MISSISSIPPI RIVER GULF OUTLET AT MILE 20.0, NEAR HOPEDALE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
27...	310	1	1	.0	.0	6	4	0	0	20	20	--
NOV												
19...	90	3	3	.0	.0	3	2	0	0	30	20	5.0
DEC												
09...	140	1	0	.0	.0	8	1	0	0	50	30	3.5
JAN												
19...	80	5	0	.0	.1	2	2	0	0	20	20	5.0

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT											
27...	.00	2	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV											
19...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.01
DEC											
09...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN											
19...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT											
27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV											
19...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC											
09...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
19...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT											
27...	.00	.00	.00	.0	.00	.00	.00	.00	.00	6.60	.000
NOV											
19...	.00	.00	.00	.0	.00	.00	.00	.00	.00	3.20	.000
DEC											
09...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	5.32	.000
JAN											
19...	<.01	<.01	<.01	<.1	<.01	.02	.00	.00	.00	2.06	.090

< Actual value is known to be less than the value shown.

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)

LOCATION.--Lat 29°38'10", long 89°39'20", in NE1/4 sec.26, T.16 S., R.15 E., Plaquemines Parish, Hydrologic Unit 08090203, 8.7 mi (14.0 km) northeast of Bohemia.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 28...	0940	24600	7.9	5	4.0	<1.0	7.5	190	.8	500	130	2800
NOV 18...	0907	21400	7.7	15	6.0	<1.0	8.4	140	.3	K15	<5	2400
DEC 10...	1550	18400	7.8	0	5.0	<1.0	8.5	46	.7	--	K28	1900
JAN 20...	0913	26600	7.4	5	2.0	<1.0	12.2	44	4.2	K4	<2	3100

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	2700	190	570	4900	150	94	1200	8600	27	.00	.00	.00
NOV 18...	2400	170	490	4100	120	81	880	7600	28	.02	.01	.03
DEC 10...	1900	130	390	3300	110	76	810	6000	25	.00	.01	.01
JAN 20...	3000	200	620	5300	190	89	1300	9800	40	.04	.01	.05

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 28...	.78	.19	1	1	0	0	1	0	30	0	4	4
NOV 18...	1.9	.06	0	0	10	10	0	0	30	0	6	3
DEC 10...	.85	.06	0	0	--	10	0	0	20	0	2	2
JAN 20...	.96	.04	0	0	10	0	0	0	30	0	3	0

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

293810089392000 BLACK BAY NEAR MOUTH OF RIVER AUX CHENES, NEAR BOHEMIA, LA (CE 86070)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	240	2	2	.0	.1	6	4	0	0	--	20	--
NOV 18...	80	5	2	.0	.0	3	2	0	0	--	30	12
DEC 10...	70	0	1	3.0	.0	4	3	0	0	30	20	8.2
JAN 20...	90	43	0	.0	.0	10	0	0	0	20	20	7.9

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 28...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 18...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
DEC 10...	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 28...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.00	.00	.00	.00	9.85	.000
NOV 18...	.00	.00	.00	.0	.00	.00	.00	.00	.00	6.43	.000
DEC 10...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	4.70	.000
JAN 20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	6.65	.000

< Actual value is known to be less than the value shown.

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)

LOCATION.--Lat 29°19'19", long 89°36'18", in sec.11, T.21 S., R.28 E., Plaquemines Parish, Hydrologic Unit 08090301, 4.2 mi (6.8 km) south-southwest of Empire.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975, 1977 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
28...	1040	35900	8.0	0	2.0	<1.0	7.3	210	.8	K40	K35	4400
NOV												
18...	1022	41600	7.6	5	10	<1.0	8.7	780	.2	<5	<5	4900
DEC												
10...	1440	34200	7.9	0	10	<1.0	8.5	120	1.2	--	K8	4200
JAN												
20...	1035	43600	8.0	0	9.0	<1.0	11.0	230	1.5	K4	K2	5400

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT												
28...	4300	290	890	7500	300	121	1800	14000	56	.10	.02	.12
NOV												
18...	4800	330	1000	8200	290	117	1800	15000	44	.10	.04	.14
DEC												
10...	4100	280	850	7700	--	117	1900	13000	32	.06	.01	.07
JAN												
20...	5300	340	1100	8300	320	123	2300	15000	57	.05	.01	.06

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT												
28...	.68	.17	2	1	10	0	0	0	50	0	5	3
NOV												
18...	.79	.06	1	0	20	10	0	0	40	0	6	3
DEC												
10...	.78	.08	1	0	10	10	0	0	70	0	2	0
JAN												
20...	--	.05	1	0	10	10	0	0	30	0	4	0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

291919089361800 BAYOU LONG AT MILE 5.1, NEAR EMPIRE, LA (CE 99213)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	450	4	0	.0	.0	7	3	0	0	20	20	--
NOV 18...	140	4	2	.0	.0	4	0	0	0	--	60	6.1
DEC 10...	100	1	0	.0	.1	4	0	0	0	60	30	5.1
JAN 20...	160	5	0	.0	.1	5	0	0	0	--	30	7.9

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 28...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 18...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
DEC 10...	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 28...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.00	.00	.00	.00	5.27	.000
NOV 18...	.00	.00	.00	.0	.00	.00	.00	.00	.00	6.49	.000
DEC 10...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	4.53	.000
JAN 20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	3.07	.000

< Actual value is known to be less than the value shown.

07380250 BAYOU BARATARIA AT LAFITTE, LA (CE 82875)

LOCATION.--Lat 29°40'06", long 90°06'36", in lot 5, T.16 S., R.23 E., Jefferson Parish, Hydrologic Unit 08090301, 1.0 mi (1.6 km) south of Lafitte.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1954, 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 34.0°C July 23, 1981; minimum daily, 3.0°C Jan. 20, 1977.
CHLORIDE: Maximum daily, 10,000 mg/L Apr. 21, 1977; minimum daily, 60 mg/L June 9, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 34.0°C July 23; minimum daily, 6.0°C Jan. 13.
CHLORIDE: Maximum daily, 9,600 mg/L Jan. 28; minimum daily, 360 mg/L Mar. 23.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.0	16.0	16.0	10.0	15.0	20.0	23.0	27.0	29.0	29.0	32.0	30.0
2	29.0	16.0	16.0	10.0	14.0	20.0	22.0	27.0	29.0	30.0	31.0	30.0
3	26.0	16.0	16.0	11.0	10.0	19.0	22.0	26.0	---	30.0	31.0	30.0
4	24.0	18.0	16.0	12.0	10.0	19.0	24.0	25.0	---	30.0	31.0	30.0
5	24.0	18.0	16.0	11.0	10.0	18.0	24.0	24.0	29.0	30.0	31.0	30.0
6	22.0	18.0	16.0	10.0	10.0	18.0	22.0	25.0	29.0	30.0	31.0	30.0
7	22.0	17.0	16.0	11.0	10.0	17.0	22.0	24.0	30.0	30.0	31.0	30.0
8	22.0	17.0	16.0	10.0	11.0	16.0	21.0	24.0	30.0	31.0	31.0	30.0
9	22.0	19.0	16.0	11.0	12.0	15.0	22.0	24.0	30.0	32.0	31.0	30.0
10	22.0	20.0	13.0	11.0	12.0	16.0	23.0	24.0	30.0	32.0	31.0	---
11	22.0	21.0	13.0	---	12.0	16.0	24.0	24.0	30.0	32.0	---	---
12	22.0	21.0	13.0	8.0	9.0	17.0	26.0	24.0	30.0	31.0	31.0	30.0
13	25.0	21.0	13.0	6.0	8.0	---	26.0	25.0	30.0	31.0	31.0	---
14	25.0	21.0	13.0	10.0	8.0	15.0	26.0	26.0	30.0	31.0	31.0	29.0
15	25.0	21.0	13.0	13.0	10.0	18.0	26.0	25.0	30.0	32.0	31.0	29.0
16	25.0	21.0	13.0	8.0	11.0	16.0	25.0	25.0	30.0	32.0	31.0	28.0
17	25.0	21.0	13.0	8.0	13.0	17.0	26.0	25.0	30.0	32.0	31.0	28.0
18	25.0	21.0	13.0	8.0	14.0	18.0	26.0	25.0	31.0	32.0	31.0	28.0
19	25.0	17.0	14.0	7.0	15.0	16.0	26.0	25.0	32.0	33.0	31.0	28.0
20	23.0	17.0	13.0	---	15.0	15.0	26.0	25.0	32.0	33.0	31.0	28.0
21	21.0	17.0	11.0	---	16.0	15.0	27.0	25.0	32.0	33.0	31.0	28.0
22	21.0	13.0	11.0	---	17.0	16.0	27.0	24.0	32.0	33.0	31.0	28.0
23	21.0	13.0	11.0	---	17.0	17.0	27.0	---	32.0	34.0	31.0	28.0
24	21.0	14.0	14.0	---	16.0	17.0	25.0	---	32.0	---	31.0	28.0
25	17.0	13.0	12.0	---	16.0	16.0	25.0	27.0	30.0	33.0	30.0	29.0
26	17.0	13.0	10.0	12.0	16.0	18.0	24.0	26.0	30.0	33.0	30.0	29.0
27	17.0	13.0	9.0	13.0	18.0	18.0	25.0	27.0	30.0	---	30.0	29.0
28	15.0	13.0	9.0	14.0	19.0	19.0	25.0	28.0	30.0	33.0	30.0	29.0
29	15.0	13.0	9.0	15.0	---	20.0	26.0	30.0	30.0	33.0	30.0	---
30	15.0	13.0	9.0	16.0	---	21.0	27.0	29.0	28.0	33.0	30.0	29.0
31	15.0	---	9.0	15.0	---	23.0	---	29.0	---	---	30.0	---
MAX	29.0	21.0	16.0	16.0	19.0	23.0	27.0	30.0	32.0	34.0	32.0	30.0
MIN	15.0	13.0	9.0	6.0	8.0	15.0	21.0	24.0	28.0	29.0	30.0	28.0

07380250 BAYOU BARATARIA AT LAFITTE, LA (CE 82875)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1800	1000	1000	4400	2400	510	4900	1700	5900	2900	2400	3800
2	1400	1000	800	3200	2500	560	2000	1300	5700	3100	2600	3600
3	1300	1000	1700	2900	1800	830	3900	4400	---	3800	2300	2000
4	1200	900	1500	2500	2200	510	5500	5000	---	3800	2400	1700
5	1100	700	1400	3100	4800	580	2900	5800	6000	3600	2300	1700
6	1100	800	1600	2200	5100	590	1800	7800	6800	3900	2100	2100
7	2000	2100	2000	4700	3500	1100	1500	6200	3800	3600	1700	2000
8	3000	1200	2400	3900	4600	960	2000	4800	3300	2400	2000	2100
9	3200	3000	1200	3900	700	530	2600	3700	3200	2400	2100	2300
10	3200	2300	1500	4900	840	530	3600	3500	4300	2500	1800	---
11	2800	2100	1000	---	700	530	3600	3600	2500	2600	---	---
12	2800	1300	1100	730	860	580	3500	4000	5700	2400	2200	3100
13	2800	1300	1000	1200	890	---	4400	4000	5100	2400	2800	---
14	2600	1400	1000	2200	890	580	5100	4000	5100	2200	2800	3000
15	2600	1900	1000	3300	830	650	5600	3300	5200	2200	2900	2100
16	2300	4400	1000	3900	870	690	6300	4200	2400	2200	3100	2100
17	2000	3100	1300	2100	700	680	3500	5700	2300	2200	2900	3000
18	2000	3000	800	1900	790	650	2200	5300	2500	2200	2900	2000
19	3500	2100	2200	3100	780	430	1600	4400	2300	2200	3100	2400
20	1700	1800	2100	---	430	540	4700	4500	2500	2100	3300	2400
21	2000	1700	1300	7500	450	690	5100	2800	2600	2200	4100	2400
22	2500	2000	1300	4000	520	610	7000	2800	2600	2200	4500	2500
23	2500	2600	1600	3800	570	360	3200	---	2100	2400	3000	2500
24	5000	1900	1500	4700	630	400	3700	---	2100	---	3000	2300
25	1500	2800	1300	---	510	440	6800	3200	2400	2400	3400	2500
26	2100	2200	1100	6300	500	550	3600	4100	2300	2400	3600	3000
27	2200	2200	1800	9500	450	1700	3600	4700	---	---	5000	3600
28	2700	1100	1800	9600	530	780	3900	4500	2400	3400	4800	3600
29	700	1100	1500	4100	---	4900	3600	4300	2300	2800	5100	---
30	900	1000	1100	3300	---	3700	2200	5400	2400	2600	4800	3600
31	900	---	1300	3300	---	4500	---	5600	---	---	4800	---
MAX	5000	4400	2400	9600	5100	4900	7000	7800	6800	3900	5100	3800
MIN	700	700	800	730	430	360	1500	1300	2100	2100	1700	1700

293604090041000 BARATARIA BAY WATERWAY AT MILE 25.0, NEAR LAFITTE, LA (CE 82879)

LOCATION.--Lat 29°36'04", long 90°04'10", T.17 S., R.24 E., Jefferson Parish, Hydrologic Unit 08090301, 5.8 mi (9.3 km) south-southeast of Lafitte and at mile 25.0 (40.2 km).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.-- Water years 1975 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 28...	1140	24500	8.1	15	1.0	<1.0	7.9	160	1.4	--	K50	2900
NOV 18...	1125	14700	7.5	30	20	<1.0	8.5	100	.6	K120	K20	1600
DEC 10...	1344	11400	7.3	15	10	<1.0	8.3	100	1.5	--	K14	1200
JAN 20...	1120	44200	8.0	0	30	<1.0	11.9	120	3.4	160	K8	5700

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	2800	200	580	4900	200	97	1100	8900	25	.01	.00	.01
NOV 18...	1600	130	320	2700	100	75	550	5000	70	.33	.02	.35
DEC 10...	1200	100	240	2200	73	77	480	4000	104	.47	.03	.50
JAN 20...	5600	390	1100	9000	300	120	990	17000	86	.30	.02	.32

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 28...	.78	.15	1	1	10	0	0	0	40	0	4	3
NOV 18...	1.3	.44	1	0	0	0	0	0	20	0	150	3
DEC 10...	1.5	.04	1	1	10	0	0	0	20	0	3	0
JAN 20...	1.0	.08	1	1	10	10	0	0	100	0	5	3

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

293604090041000 BARATARIA BAY WATERWAY AT MILE 25.0, NEAR LAFITTE, LA (CE 82879)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	220	3	2	.0	.0	6	3	0	0	10	10	--
NOV 18...	50	6	2	.0	.0	4	1	0	0	30	20	8.9
DEC 10...	50	3	0	.0	.0	4	0	0	0	30	20	12
JAN 20...	150	11	4	.0	.1	6	0	0	0	30	30	10

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 28...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 18...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.00
DEC 10...	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 28...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.00	.00	.00	.00	26.3	3.20
NOV 18...	.00	.00	.00	.0	.00	.00	.00	.00	.00	5.55	.000
DEC 10...	<.01	<.01	<.01	<.1	<.01	.04	.00	.00	.00	11.7	9.03
JAN 20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	13.3	.000

< Actual value is known to be less than the value shown.

294326090151500 LAKE SALVADOR AT CENTER, NEAR BARATARIA, LA (CE 99216)
(Formerly published as Center of Lake Salvador near Barataria, LA (CE 99216))

LOCATION.--Lat 29°43'26", long 90°15'15", T.15 S., R.22 E., St. Charles Parish, Hydrologic Unit 08090301, 7.3 mi (11.7 km) west-southwest of Barataria.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 28...	1145	3870	7.9	15	1.0	<1.0	8.5	40	.6	<5	<5	390
NOV 18...	1159	1770	7.5	30	13	<1.0	8.6	48	.6	K15	K5	220
DEC 10...	1331	2220	7.3	20	25	<1.0	8.5	45	.9	--	64	230
JAN 20...	1145	2690	7.3	40	55	<1.0	11.8	95	3.2	K220	K20	290

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	330	43	68	630	23	64	140	1100	7	.05	.00	.05
NOV 18...	170	28	37	350	12	52	61	620	7	.30	.02	.32
DEC 10...	180	32	37	340	12	57	75	610	76	.52	.01	.53
JAN 20...	230	42	46	410	15	68	110	750	408	.69	.04	.73

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 28...	1.0	.14	1	1	0	0	0	0	0	0	12	2
NOV 18...	1.2	.18	1	0	10	<1	0	<1	0	0	8	4
DEC 10...	1.5	.07	1	1	0	0	0	0	10	0	5	3
JAN 20...	1.4	.13	2	1	--	10	1	0	20	0	11	6

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294326090151500 LAKE SALVADOR AT CENTER NEAR BARATARIA, LA (CE 99216)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	50	3	0	.0	.0	6	3	0	0	--	10	--
NOV 18...	10	8	2	.0	.0	5	1	0	0	20	4	11
DEC 10...	30	5	1	.0	.0	2	0	0	0	40	40	3.1
JAN 20...	20	17	7	.0	.0	16	0	0	0	30	10	27

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT 28...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 18...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.00
DEC 10...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT 28...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.04	.00	.00	.02	28.4	2.10
NOV 18...	.00	.00	.00	.0	.00	.03	.00	.00	.02	18.8	9.76
DEC 10...	<.01	<.01	<.01	<.1	<.01	.01	.00	.00	.01	1.99	.000
JAN 20...	<.01	<.01	<.01	<.1	<.01	.01	.00	.00	.01	7.09	.000

< Actual value is known to be less than the value shown.

291618089564900 BARATARIA BAY WATERWAY AT MILE 0.8, NEAR GRAND ISLE, LA (CE 82876)

LOCATION.--Lat 29°16'18", long 89°56'49" in sec.29, T.21 S., R.25 E., Jefferson Parish, Hydrologic Unit 08090301, 0.2 mi (0.3 km) southwest of USC&GS Barataria Lighthouse and 3.4 mi (5.5 km) northeast of Grand Isle.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)
OCT 28...	1055	40100	8.1	0	2.0	<1.0	7.3	760	.5	--	K10	4800
NOV 18...	1045	40000	7.8	5	10	<1.0	8.4	530	.6	K10	<5	4900
DEC 10...	1420	35700	7.9	5	8.0	<1.0	8.4	100	1.8	--	K20	4400
JAN 20...	1100	21500	7.8	10	15	<1.0	11.5	230	2.0	K8	K6	2500

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	4700	310	970	8400	340	113	2100	15000	78	.01	.01	.02
NOV 18...	4800	330	1000	8100	290	112	1800	15000	42	.07	.03	.10
DEC 10...	4300	300	880	7900	260	111	1800	14000	28	.02	.01	.03
JAN 20...	2400	190	480	4300	140	100	1000	7700	58	.03	.01	.04

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 28...	.49	.13	2	1	10	10	0	0	60	0	5	4
NOV 18...	1.0	.05	0	0	20	10	0	0	40	0	6	3
DEC 10...	.88	.04	0	0	10	10	0	0	70	0	4	0
JAN 20...	.47	.05	1	0	10	10	0	0	60	0	5	0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

291618089564900 BARATARIA BAY WATERWAY AT MILE 0.8, NEAR GRAND ISLE, LA (CE 82876)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	550	4	2	.0	.0	7	4	0	0	--	40	--
NOV 18...	150	3	2	.0	.0	6	0	0	0	40	40	4.8
DEC 10...	160	3	0	.0	.0	3	0	0	0	40	40	5.4
JAN 20...	60	5	7	.0	.0	7	0	0	0	--	20	6.3

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 28...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 18...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.01
DEC 10...	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 28...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.002	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.00	.00	.00	.00	.770	.000
NOV 18...	.00	.00	.00	.0	.00	.01	.00	.00	.00	5.89	.990
DEC 10...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	6.05	.630
JAN 20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	6.69	.000

< Actual value is known to be less than the value shown.

07381000 BAYOU LAFOURCHE AT THIBODAUX, LA

LOCATION.-Lat 29°47'52", long 90°49'21", in lot 117, T. 15 S., R. 16 E., Lafourche Parish, Hydrologic Unit 08090301, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, and 2.7 mi (4.3 km) upstream from Laurel Valley Canal.

PERIOD OF RECORD.--April 1966 to current year (elevations only). Unpublished records, May 1954 to July 1957, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Artificial control located about 1,000 ft (300 m) downstream since Nov. 5, 1968.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.64 ft (2.329 m) Apr. 17, 1973; minimum, 0.82 ft (0.250 m) Dec. 2, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.75 ft (2.057 m) Feb. 10; minimum, 4.80 ft (1.463 m) Nov. 8.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.25	5.28	5.07	5.39	5.21	5.07	5.12	5.25	5.03	5.02	5.27	5.43
2	5.22	5.28	5.05	5.39	5.42	5.05	5.14	5.28	5.09	5.00	5.31	5.42
3	5.21	5.30	4.98	5.39	5.29	4.99	5.17	5.31	5.04	5.14	5.32	5.37
4	5.16	5.19	4.95	5.39	5.26	4.96	5.20	5.31	5.00	5.06	5.36	5.41
5	5.15	5.05	4.97	5.38	5.23	4.98	5.25	5.54	5.00	5.10	5.46	5.32
6	5.14	5.01	5.12	5.38	5.82	4.95	5.24	5.39	5.00	5.15	5.41	5.23
7	5.30	4.99	5.36	5.40	5.63	4.95	5.13	5.32	5.11	5.06	5.36	5.28
8	5.45	4.94	5.43	5.39	5.44	5.00	4.99	5.28	5.14	5.22	5.35	5.23
9	5.51	4.88	5.29	5.39	5.32	5.04	5.05	5.27	5.05	5.13	5.35	5.21
10	5.54	4.99	5.32	5.41	6.27	5.04	5.28	5.32	4.98	5.09	5.35	---
11	5.40	4.99	5.24	5.42	6.34	5.06	5.37	5.27	5.99	5.14	5.35	---
12	5.26	5.00	5.15	5.42	5.71	5.06	5.42	5.24	5.53	5.24	5.34	---
13	5.22	5.01	5.11	5.40	5.35	5.07	5.43	5.23	5.24	5.20	5.33	---
14	5.32	5.14	5.12	5.40	5.16	5.05	5.41	5.24	5.17	5.14	5.37	---
15	5.47	5.37	5.09	5.40	5.11	5.05	5.42	5.23	5.14	5.09	5.32	---
16	5.53	5.41	5.07	5.40	5.30	5.01	5.42	5.24	5.09	5.05	5.29	---
17	5.51	5.51	5.05	5.41	5.20	4.96	5.36	5.36	5.07	5.01	5.23	---
18	5.52	5.23	5.08	5.42	5.10	4.98	5.30	5.42	5.07	4.97	5.18	---
19	5.59	5.04	5.00	5.42	5.15	4.94	5.29	5.34	5.08	5.00	5.17	---
20	5.56	4.98	4.95	---	5.40	4.93	5.25	5.34	5.00	4.99	5.18	---
21	5.50	4.99	5.09	---	5.47	4.95	5.21	5.29	5.04	4.94	5.21	---
22	5.31	5.15	5.15	---	5.50	5.03	5.20	5.16	5.04	4.93	5.20	---
23	5.10	5.71	5.18	5.40	5.49	5.00	5.20	5.04	5.15	4.95	5.22	---
24	5.04	5.48	5.25	5.39	5.46	4.95	5.23	5.04	5.12	4.95	5.22	---
25	4.99	5.28	5.19	5.29	5.46	4.94	5.19	5.01	5.10	4.95	5.26	---
26	4.96	5.54	5.19	5.24	5.36	4.94	5.23	5.08	5.15	5.00	5.20	---
27	4.97	5.50	5.22	5.21	5.15	4.93	5.23	5.02	5.18	5.01	5.28	---
28	5.48	5.28	5.21	5.21	5.09	4.91	5.22	5.05	5.18	5.04	5.40	---
29	5.51	5.17	5.22	5.20	---	5.04	5.23	5.12	5.09	5.09	5.43	---
30	5.43	5.11	5.26	5.22	---	5.39	5.23	5.04	5.05	5.23	5.64	---
31	5.30	---	5.35	5.21	---	5.25	---	5.03	---	5.31	5.58	---
MEAN	5.32	5.19	5.15	---	5.42	5.02	5.25	5.23	5.13	5.07	5.32	---
MAX	5.59	5.71	5.43	---	6.34	5.39	5.43	5.54	5.99	5.31	5.64	---
MIN	4.96	4.88	4.95	---	5.09	4.91	4.99	5.01	4.98	4.93	5.17	---

07381350 COMPANY CANAL AT LOCKPORT, LA

LOCATION.--Lat 29°38'42", long 90°32'41", in SW1/4 sec.18, T.16 S., R.19 E., Lafourche Parish, Hydrologic Unit 08090302, at center of bridge on State Highway 1 at Lockport.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1956, 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to current year.
WATER TEMPERATURES: December 1980 to September 1981.

INSTRUMENTATION.--Specific conductance recorder from July 25, 1979 to Dec. 15, 1980. Mini-monitor installed December 16, 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,780 micromhos Apr. 24, 1981; minimum, 166 micromhos Feb. 12, 1981.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,780 micromhos Apr. 24; minimum, 166 micromhos Feb. 12.
WATER TEMPERATURES: Maximum, 34.5°C July 19; minimum, 6.5°C Dec. 31, Jan. 5, 6.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	485	451	421	319	413	299	668	498	1210	531	362	322
2	459	444	380	268	398	323	557	507	1010	529	360	320
3	465	448	347	277	430	278	557	517	867	617	408	318
4	461	418	555	354	411	314	536	516	854	544	426	326
5	480	405	380	269	374	319	546	526	832	502	424	314
6	431	416	297	271	355	324	555	535	480	380	422	322
7	435	398	370	293	384	335	625	545	518	338	371	311
8	407	392	367	353	369	350	604	574	515	475	449	349
9	409	388	384	360	475	360	---	---	543	383	437	337
10	416	402	396	364	568	413	---	---	401	281	325	305
11	488	412	542	373	570	382	---	---	309	229	323	303
12	486	463	447	380	377	341	---	---	306	166	401	311
13	484	423	409	331	350	346	---	---	324	264	389	329
14	450	425	338	326	377	350	---	---	286	236	357	327
15	431	425	411	333	375	369	---	---	277	207	355	335
16	433	412	461	381	500	375	---	---	359	219	373	333
17	434	417	409	381	509	489	---	---	330	220	351	311
18	429	404	402	375	518	488	---	---	372	232	359	309
19	417	404	373	381	537	507	---	---	393	243	367	307
20	425	415	376	366	546	526	---	---	285	245	325	305
21	425	412	415	370	535	525	---	---	347	257	333	313
22	432	411	532	394	524	514	---	---	368	298	361	341
23	436	419	874	441	522	502	572	552	460	270	350	320
24	487	415	1180	562	671	491	559	549	291	271	338	308
25	483	457	910	538	610	480	757	537	383	283	336	316
26	472	446	803	258	519	479	825	685	394	354	354	324
27	523	457	445	251	508	478	783	573	386	366	352	342
28	497	189	436	398	487	477	910	590	544	344	350	330
29	249	185	445	392	496	479	1150	678	---	---	348	328
30	345	251	422	409	499	479	1040	636	---	---	1620	356
31	360	307	---	---	498	488	1000	534	---	---	474	304
MONTH	523	185	1180	251	671	278	---	---	1210	166	1620	303

07381350 COMPANY CANAL AT LOCKPORT, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	460	340	1150	968	833	503	422	392	496	436	---	---
2	486	326	989	429	582	492	441	351	495	325	---	---
3	342	322	510	440	552	432	420	330	484	414	---	---
4	549	339	581	441	471	411	470	320	473	363	---	---
5	775	365	502	402	570	450	559	449	482	372	---	---
6	651	361	423	383	825	475	588	538	491	411	---	---
7	497	367	493	393	880	780	557	397	500	400	---	---
8	393	373	614	444	816	756	456	336	509	489	---	---
9	759	389	595	435	811	771	545	465	508	338	---	---
10	536	396	1660	486	786	406	554	534	477	367	---	---
11	432	402	1230	847	401	251	573	423	---	---	544	364
12	438	418	897	857	246	186	573	553	---	---	386	376
13	444	414	868	828	231	171	552	512	---	---	398	378
14	425	415	1330	719	287	217	581	531	---	---	450	400
15	426	406	1310	550	312	262	600	560	---	---	462	422
16	416	396	1120	551	447	257	582	492	---	---	433	423
17	417	377	711	441	638	448	605	435	---	---	435	425
18	438	378	432	412	619	579	587	467	---	---	437	417
19	439	379	623	423	670	620	569	459	---	---	429	409
20	470	410	812	642	702	652	552	432	---	---	421	401
21	580	480	821	771	693	663	554	454	---	---	413	403
22	641	581	841	771	684	524	566	486	---	---	424	404
23	1250	592	880	550	635	525	578	478	---	---	435	385
24	1780	713	949	569	616	336	591	431	---	---	417	397
25	1280	514	608	508	537	357	503	443	---	---	448	378
26	634	424	878	538	438	318	515	475	---	---	419	399
27	615	445	987	877	600	440	528	478	---	---	420	410
28	796	466	946	896	641	411	520	490	---	---	441	421
29	1080	797	945	885	622	372	529	499	---	---	472	432
30	1280	1020	945	885	423	343	558	508	---	---	443	433
31	---	---	884	804	---	---	557	467	---	---	---	---
MONTH	1780	322	1660	383	880	171	605	320	---	---	544	364

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1					---	---	8.5	7.5	16.5	15.0	20.0	19.0
2					---	---	9.5	7.5	14.5	11.5	20.5	19.5
3					---	---	9.0	7.5	12.0	10.0	19.5	18.5
4					---	---	8.5	7.0	11.5	10.5	19.0	18.5
5					---	---	8.0	6.5	11.0	10.0	19.5	18.0
6					---	---	7.5	6.5	10.0	9.0	19.0	17.5
7					---	---	8.0	7.0	11.0	10.0	19.0	17.5
8					---	---	8.0	7.5	12.0	10.5	17.5	17.0
9					---	---	---	---	13.0	11.5	17.5	15.5
10					---	---	---	---	15.0	12.5	18.0	16.5
11					---	---	---	---	14.0	12.0	17.5	16.0
12					---	---	---	---	12.0	8.5	17.5	16.0
13					---	---	---	---	8.5	8.0	17.5	16.0
14					---	---	---	---	9.0	8.0	18.0	16.0
15					---	---	---	---	10.0	9.0	19.5	17.0
16					---	---	---	---	13.0	10.5	19.0	17.5
17					10.5	9.0	---	---	15.0	13.0	19.5	17.5
18					11.5	9.0	---	---	15.5	14.0	20.0	17.5
19					11.5	10.0	---	---	17.0	15.0	18.5	15.5
20					11.5	9.5	---	---	20.0	16.5	17.0	13.5
21					12.0	9.5	---	---	19.5	17.5	16.5	15.5
22					11.5	10.0	---	---	19.0	17.5	18.5	16.0
23					10.5	9.5	9.5	7.5	17.5	16.5	17.5	16.5
24					12.0	9.5	10.0	7.5	19.0	15.5	17.0	15.5
25					12.0	10.5	11.5	8.5	18.5	17.5	18.0	16.0
26					11.5	10.0	12.5	10.5	20.0	16.5	21.0	16.5
27					11.5	10.5	13.5	11.0	19.5	17.0	20.5	18.0
28					11.0	10.0	13.0	12.0	20.5	17.5	20.0	18.5
29					10.0	9.0	15.0	11.0	---	---	20.5	19.5
30					9.0	7.5	15.5	13.5	---	---	23.5	20.5
31					8.5	6.5	15.0	14.0	---	---	23.5	22.0
MONTH					---	---	---	---	20.5	8.0	23.5	13.5

07381350 COMPANY CANAL AT LOCKPORT, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	23.5	22.5	28.0	27.0	30.5	29.0	31.5	29.5	31.5	29.5	29.5	28.5
2	23.0	22.5	27.5	26.0	31.5	28.5	30.5	29.0	30.5	28.0	29.5	28.0
3	24.5	22.5	26.5	25.5	30.5	29.5	30.5	28.5	31.0	29.0	30.0	28.5
4	24.5	23.0	25.5	25.0	30.5	29.0	29.5	28.0	31.0	29.5	31.0	28.0
5	24.5	23.5	26.0	23.5	29.5	28.5	29.0	28.0	30.5	29.5	30.5	29.5
6	24.5	22.0	25.5	24.5	30.0	28.5	30.5	28.5	32.0	29.5	30.5	29.0
7	24.0	21.5	26.0	23.5	31.0	29.0	31.0	29.0	32.5	30.0	31.0	29.0
8	23.5	22.0	25.5	23.5	31.5	30.0	32.0	29.5	32.0	30.0	31.0	30.0
9	25.0	22.5	26.0	24.5	32.0	31.0	32.5	30.5	31.5	30.5	31.0	29.5
10	26.0	23.0	26.0	24.5	32.0	31.0	32.5	31.0	31.5	30.5	31.0	28.5
11	25.0	23.5	26.0	24.0	31.0	29.5	31.0	29.5	32.0	30.0	30.5	28.5
12	26.0	24.0	26.5	23.5	30.5	28.5	31.5	29.5	32.0	30.0	30.5	29.0
13	26.0	24.5	27.5	24.5	31.0	29.0	32.0	29.5	32.0	30.0	30.5	28.5
14	26.0	24.5	27.0	25.0	31.5	29.5	33.0	30.5	32.0	30.0	30.0	28.5
15	26.0	24.5	27.5	25.5	33.0	30.0	33.5	32.0	32.5	30.0	28.5	28.0
16	26.0	24.5	27.0	25.5	31.5	30.5	34.0	31.5	33.5	31.0	29.0	27.0
17	26.0	24.5	28.0	25.5	32.5	31.0	33.5	31.5	33.0	31.5	28.5	26.5
18	26.0	24.5	27.5	26.5	33.0	31.5	33.5	31.5	34.0	31.5	27.0	25.0
19	26.5	25.0	27.0	25.5	34.0	31.5	34.5	31.5	34.0	32.0	26.0	24.0
20	27.5	25.0	26.5	25.0	34.0	31.5	34.0	32.0	33.0	31.5	26.0	24.0
21	27.5	25.5	25.5	24.0	33.5	32.0	34.0	32.0	32.0	31.0	26.5	24.5
22	27.5	26.0	26.0	23.5	32.5	31.5	34.0	31.5	31.5	30.5	27.0	24.5
23	27.0	26.0	27.0	24.5	31.5	30.5	32.5	31.0	32.0	30.0	27.5	25.0
24	25.5	24.5	28.5	25.5	31.5	29.5	33.5	32.0	31.0	30.0	27.0	25.5
25	24.5	23.5	27.5	26.5	31.0	29.5	33.5	31.5	31.0	29.5	28.0	26.0
26	25.0	23.0	27.5	26.0	31.0	29.5	33.0	31.5	31.0	29.5	28.5	26.5
27	26.0	23.5	30.5	27.0	32.0	29.5	33.0	31.5	30.5	29.0	28.0	27.0
28	26.5	23.5	32.0	28.5	31.5	30.0	32.5	31.0	30.0	29.0	29.0	27.0
29	28.0	25.5	31.5	29.0	31.0	30.0	33.0	30.5	29.0	27.5	29.0	27.0
30	29.0	27.0	31.5	29.5	31.5	29.0	32.5	31.0	28.5	27.5	29.0	27.0
31	---	---	31.0	29.5	---	---	32.0	30.5	29.5	27.5	---	---
MONTH	29.0	21.5	32.0	23.5	34.0	28.5	34.5	28.0	34.0	27.5	31.0	24.0

07381200 BAYOU LAFOURCHE AT VALENTINE, LA

LOCATION.--Lat 29°35'35", long 90°28'25", on line between lots 96 and 98, T.17 S., R.20 E., Lafourche Parish, Hydrologic Unit 08090301, on upstream side of bridge on State Highway 308, at Valentine, 5.2 mi (8.4 km) upstream from Intracoastal Waterway, and 5.7 mi (9.2 km) south of Lockport.

PERIOD OF RECORD.--April 1966 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1968, at datum 2.98 ft (0.908 m) lower.

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Elevation affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.50 ft (1.067 m) Apr. 13, 1980; minimum, -0.18 ft (-0.055 m) Feb. 9, 1968 (present datum).

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 2.74 ft (0.835 m) Feb. 11; minimum recorded, 0.47 ft (0.143 m) Mar. 25.

FLEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.73	1.22	---	---	1.44	1.42	1.92	1.52	1.87	1.89	1.60	2.10
2	1.52	1.16	---	---	1.62	1.45	1.63	1.37	1.98	1.91	1.55	2.17
3	1.40	1.18	---	---	1.10	1.38	1.68	1.53	2.01	2.05	1.57	2.07
4	1.13	1.27	---	---	1.01	1.56	1.89	1.76	2.05	2.05	1.61	2.03
5	1.37	1.02	---	---	1.02	1.87	1.91	2.23	2.12	2.12	1.62	1.89
6	1.03	1.10	---	---	1.39	1.53	1.47	2.25	2.18	2.13	1.51	1.85
7	1.04	1.23	---	---	1.43	1.41	1.28	2.09	2.09	2.19	1.45	1.80
8	1.18	1.34	---	---	1.60	1.44	1.49	1.99	1.90	2.17	1.47	1.77
9	1.33	1.51	---	---	1.45	1.26	1.66	2.04	1.82	1.95	1.38	1.69
10	1.42	1.53	---	---	2.06	1.02	1.67	2.16	1.82	1.70	1.28	1.66
11	1.40	---	---	---	2.73	.97	1.71	1.83	2.10	1.64	1.27	1.76
12	1.24	---	---	---	2.49	1.07	1.73	1.73	2.17	1.71	1.37	1.86
13	1.17	---	---	---	2.11	1.19	1.75	1.65	2.23	1.77	1.48	1.83
14	1.17	---	---	---	---	1.21	1.71	1.75	2.30	1.66	1.59	1.85
15	1.23	---	---	---	---	1.27	1.58	1.68	2.33	1.51	1.55	1.94
16	1.36	---	---	---	---	1.30	1.47	1.50	2.28	1.44	1.53	1.83
17	1.48	---	---	---	---	1.07	1.58	1.90	2.14	1.43	1.57	1.61
18	1.75	---	---	---	---	1.27	1.73	2.03	1.97	1.38	1.53	1.36
19	1.69	---	---	---	---	1.12	1.68	2.01	1.87	1.41	1.57	1.16
20	1.47	---	---	---	---	.67	1.63	2.05	1.80	1.37	1.48	1.30
21	1.18	---	---	---	---	.80	1.57	1.69	1.76	1.35	1.38	1.44
22	1.21	---	---	---	---	1.25	1.50	1.54	1.76	1.27	1.42	1.44
23	1.34	---	---	.67	---	1.06	1.62	1.60	1.83	1.21	1.54	1.38
24	1.53	---	---	.75	---	.58	1.68	1.69	1.74	1.30	1.73	1.31
25	1.24	---	---	.93	---	.49	1.54	1.83	1.83	1.63	1.78	1.24
26	1.08	---	---	1.16	---	.55	1.64	2.09	1.89	1.73	1.80	1.39
27	1.26	---	---	1.22	---	.83	1.68	1.96	1.73	1.83	1.95	1.57
28	2.22	---	---	1.38	1.26	1.10	1.65	1.82	1.62	1.79	2.01	1.66
29	2.31	---	---	1.45	---	1.48	1.72	1.75	1.67	1.66	2.07	1.72
30	2.02	---	---	1.45	---	1.93	1.65	1.74	1.83	1.60	2.25	1.70
31	1.53	---	---	1.32	---	1.93	---	1.79	---	1.61	2.22	---
MEAN	1.42	---	---	---	---	1.21	1.65	1.82	1.96	1.69	1.62	1.68
MAX	2.31	---	---	---	2.73	1.93	1.92	2.25	2.33	2.19	2.25	2.17
MIN	1.03	---	---	---	---	.49	1.28	1.37	1.62	1.21	1.27	1.16

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)

LOCATION.--Lat 29°34'20", long 90°23'02", T.17 S., R.20 E., Lafourche Parish, Hydrologic Unit 08090301, at intersection with Intracoastal Waterway and at mile 35.3 (56.8 km) (WHL).

PERIOD OF RECORD.--Water years 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1979, October 1980 to September 1981.
CHLORIDE: October 1974 to current year.

REMARKS.--Flow direction is dependent upon tide and upon wind velocity.

COOPERATION.--Samples are collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.5°C July 28, 29, 1977; minimum daily, 6.0°C Jan. 19, 20, 1977, Jan. 20-23, 1978.
CHLORIDE: Maximum daily, 6,700 mg/L Oct. 25, 1976; minimum daily, 18 mg/L Aug. 5, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C several days in July and August; minimum daily, 8.0°C Jan. 13, Feb. 13, 14.
CHLORIDE: Maximum daily, 4,000 mg/L Jan. 21; minimum daily, 26 mg/L Feb. 13.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 28...	1155	704	7.6	15	6.0	<1.0	6.4	34	1.3	15000	K15000	160
NOV 18...	1208	1700	7.3	40	85	<1.0	7.2	44	.2	620	250	230
DEC 10...	1317	1440	7.6	30	130	<1.0	7.5	44	1.5	--	440	200
JAN 20...	1155	1180	7.3	20	200	<1.0	10.6	62	2.7	K600	140	200

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	71	34	18	120	7.9	88	58	210	100	.90	.02	.92
NOV 18...	160	38	34	270	10	75	69	490	142	.98	.02	1.0
DEC 10...	110	36	26	190	9.8	84	72	340	106	.64	.08	.72
JAN 20...	110	41	24	160	6.6	92	73	270	100	.58	.04	.62

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT 28...	1.3	.37	3	1	0	<1	0	<1	0	0	20	4
NOV 18...	1.2	.20	2	0	0	<1	0	<1	10	0	29	4
DEC 10...	.77	.08	3	1	0	1	0	1	20	0	10	3
JAN 20...	1.3	.09	4	0	0	0	0	0	10	0	12	2

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	50	6	0	.0	.0	8	3	0	0	30	8	--
NOV 18...	100	7	2	.0	.0	6	2	0	0	50	7	11
DEC 10...	20	9	0	.0	.0	8	3	0	0	80	8	15
JAN 20...	20	57	7	.0	.0	43	0	1	0	50	10	21

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 28...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 18...	.00	2	0	.0	.0	.000	.0	.000	.000	.000	.01
DEC 10...	.00	0	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 28...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.03	.00	.00	.00	13.1	.000
NOV 18...	.00	.00	.00	.0	.00	.00	.00	.00	.00	4.85	1.52
DEC 10...	<.01	<.01	<.01	<.1	<.01	.00	.01	.00	.01	2.98	.000
JAN 20...	<.01	<.01	<.01	<.1	<.01	.03	.00	.00	.01	10.5	.480

< Actual value is known to be less than the value shown.

.7381230 BAYOU LAFOURCHE (AT INTRACOASTAL WATERWAY) AT LAROSE, LA (CE 82203)--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	20.0	14.0	10.0	13.0	16.0	21.0	26.0	28.0	30.0	32.0	29.0
2	27.0	17.0	14.0	11.0	13.0	16.0	21.0	26.0	28.0	29.0	32.0	29.0
3	25.0	17.0	14.0	11.0	12.0	17.0	21.0	26.0	29.0	29.0	32.0	29.0
4	27.0	17.0	14.0	10.0	11.0	17.0	21.0	26.0	29.0	29.0	30.0	29.0
5	25.0	17.0	16.0	10.0	11.0	18.0	22.0	25.0	29.0	29.0	30.0	29.0
6	23.0	19.0	14.0	10.0	11.0	18.0	22.0	25.0	29.0	29.0	30.0	30.0
7	23.0	19.0	16.0	10.0	11.0	18.0	22.0	25.0	29.0	30.0	30.0	30.0
8	22.0	19.0	17.0	11.0	11.0	18.0	22.0	25.0	29.0	30.0	30.0	30.0
9	22.0	19.0	18.0	11.0	11.0	18.0	22.0	25.0	30.0	31.0	30.0	30.0
10	23.0	19.0	18.0	11.0	11.0	17.0	22.0	25.0	30.0	30.0	30.0	30.0
11	23.0	19.0	16.0	11.0	10.0	17.0	22.0	24.0	30.0	30.0	30.0	30.0
12	22.0	19.0	15.0	9.0	9.0	16.0	22.0	24.0	30.0	30.0	30.0	30.0
13	21.0	19.0	15.0	8.0	8.0	16.0	23.0	24.0	30.0	30.0	30.0	30.0
14	22.0	20.0	14.0	9.0	8.0	16.0	23.0	25.0	30.0	31.0	30.0	30.0
15	22.0	20.0	14.0	9.0	---	17.0	24.0	25.0	30.0	31.0	30.0	30.0
16	22.0	20.0	16.0	10.0	---	17.0	24.0	25.0	31.0	32.0	31.0	30.0
17	23.0	21.0	14.0	10.0	11.0	17.0	24.0	25.0	30.0	32.0	31.0	30.0
18	23.0	21.0	14.0	9.0	12.0	17.0	24.0	26.0	30.0	32.0	31.0	30.0
19	23.0	21.0	14.0	9.0	---	17.0	24.0	26.0	31.0	32.0	32.0	30.0
20	23.0	21.0	14.0	9.0	14.0	16.0	25.0	25.0	30.0	32.0	32.0	30.0
21	22.0	21.0	13.0	9.0	14.0	16.0	25.0	25.0	31.0	---	31.0	30.0
22	22.0	19.0	12.0	9.0	15.0	16.0	26.0	25.0	31.0	32.0	31.0	30.0
23	22.0	17.0	12.0	9.0	16.0	16.0	25.0	25.0	31.0	32.0	31.0	30.0
24	22.0	---	13.0	9.0	16.0	16.0	25.0	25.0	30.0	32.0	31.0	30.0
25	21.0	15.0	13.0	10.0	16.0	16.0	25.0	26.0	30.0	32.0	30.0	30.0
26	21.0	14.0	11.0	10.0	16.0	16.0	25.0	26.0	29.0	32.0	30.0	30.0
27	22.0	12.0	11.0	11.0	16.0	17.0	25.0	26.0	29.0	32.0	29.0	30.0
28	22.0	12.0	10.0	12.0	16.0	17.0	25.0	26.0	30.0	31.0	29.0	30.0
29	22.0	12.0	10.0	12.0	---	18.0	25.0	27.0	30.0	31.0	29.0	30.0
30	22.0	13.0	10.0	12.0	---	19.0	26.0	27.0	30.0	31.0	29.0	30.0
31	22.0	---	---	13.0	---	20.0	---	27.0	---	31.0	29.0	---
MAX	27.0	21.0	18.0	13.0	16.0	20.0	26.0	27.0	31.0	32.0	32.0	30.0
MIN	21.0	12.0	10.0	8.0	8.0	16.0	21.0	24.0	28.0	29.0	29.0	29.0

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	60	400	85	910	64	1200	180	160	76	66	81
2	200	55	700	110	680	60	880	160	250	70	60	84
3	240	50	400	100	380	54	870	230	300	78	60	110
4	90	100	400	170	450	60	820	3400	650	110	67	50
5	100	120	600	170	510	98	560	3600	1200	110	70	51
6	120	90	550	180	540	160	500	1200	1200	110	66	46
7	120	120	850	180	520	150	450	1100	1200	290	83	49
8	260	85	900	780	---	78	760	170	82	110	62	48
9	260	85	850	2400	510	60	780	180	140	260	69	64
10	310	80	300	2400	470	70	860	1100	280	60	66	61
11	80	75	200	2400	---	66	840	1200	380	66	62	89
12	90	80	200	180	160	62	750	1100	400	60	60	90
13	80	120	150	840	26	58	760	1200	430	74	76	230
14	100	2200	200	600	70	58	750	1200	2500	74	61	230
15	100	85	150	860	---	51	820	970	2400	74	64	200
16	100	85	150	1000	---	52	740	960	2500	76	58	120
17	330	---	150	1000	48	48	860	880	1800	270	61	110
18	290	---	140	920	55	50	810	890	650	260	64	100
19	290	---	140	900	---	220	1200	640	160	280	64	100
20	290	350	120	---	45	140	1200	200	130	280	74	130
21	140	300	160	4000	66	140	800	140	120	---	56	130
22	80	350	180	850	64	120	620	470	120	320	58	90
23	170	450	170	1600	62	110	670	480	74	300	82	71
24	220	500	550	1600	78	100	600	360	82	350	100	60
25	100	400	600	1900	75	96	610	410	76	200	150	76
26	100	700	100	1700	72	90	810	420	70	160	1100	70
27	200	700	150	1400	74	160	790	280	70	130	1900	380
28	210	700	100	1100	70	2100	760	280	62	58	2600	390
29	80	750	85	1500	---	130	670	270	60	64	3200	800
30	70	250	85	1600	---	2600	660	150	62	66	1000	510
31	65	---	---	1600	---	2000	---	140	---	66	990	---
MAX	330	2200	900	4000	910	2600	1200	3600	2500	350	3200	800
MIN	65	50	85	85	26	48	450	140	60	58	56	46

292245090123200 BAYOU LAFOURCHE AT GALLIANO, LA (CE 82300)

LOCATION.--Lat 29°22'45", long 90°12'32", T.19 S., R.9 E., Lafourche Parish, Hydrologic Unit 08090301, at Galliano.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1978, October 1980 to September 1981.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 7, 1977; minimum daily, 6.0°C Jan. 18, Feb. 1, 2, 1977.
CHLORIDE: Maximum daily, 12,000 mg/L Mar. 30, 1977, Jan. 26, 1981; minimum daily, 10 mg/L Apr. 15, 21, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C several days during June, July, August; minimum daily, 7.0°C Jan. 21-23.
CHLORIDE: Maximum daily, 12,000 mg/L Jan. 26; minimum daily, 59 mg/L Feb. 18.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.0	---	11.0	10.0	10.0	11.0	20.0	20.0	30.0	30.0	30.0	21.0
2	21.0	---	11.0	10.0	10.0	11.0	20.0	20.0	30.0	30.0	30.0	21.0
3	21.0	---	11.0	10.0	10.0	11.0	20.0	20.0	30.0	21.0	30.0	21.0
4	21.0	---	11.0	10.0	10.0	11.0	20.0	20.0	30.0	30.0	30.0	21.0
5	21.0	---	11.0	10.0	10.0	10.5	20.0	20.0	30.0	30.0	30.0	21.0
6	21.0	---	11.0	10.0	10.0	10.5	20.0	20.0	30.0	30.0	30.0	21.0
7	21.0	---	11.0	10.0	10.0	10.5	20.0	20.0	30.0	30.0	30.0	21.0
8	21.0	---	11.0	10.0	10.0	10.5	20.0	20.0	30.0	30.0	30.0	21.0
9	21.0	---	11.0	10.0	10.0	10.5	20.0	20.0	21.0	21.0	30.0	21.0
10	21.0	---	11.0	10.0	10.0	10.5	20.0	20.0	21.0	30.0	30.0	21.0
11	21.0	---	11.0	10.0	10.0	10.5	20.5	20.0	30.0	21.0	30.0	21.0
12	21.0	---	11.0	10.0	9.0	10.5	20.5	20.0	30.0	30.0	30.0	21.0
13	22.0	20.0	11.0	9.0	10.0	10.5	20.5	20.0	30.0	30.0	30.0	21.0
14	22.0	20.0	11.0	10.0	10.0	10.5	20.5	20.0	30.0	30.0	30.0	21.0
15	22.0	20.0	11.0	10.0	10.0	10.5	20.5	20.0	30.0	30.0	30.0	21.0
16	22.0	20.0	10.0	8.0	10.0	11.0	20.5	20.0	30.0	30.0	30.0	21.0
17	22.0	---	10.0	8.0	10.0	11.0	20.5	20.0	30.0	30.0	30.0	20.5
18	22.0	---	10.0	8.0	10.0	11.0	20.5	20.0	30.0	30.0	30.0	20.5
19	22.0	---	10.0	9.0	10.5	11.0	20.5	20.0	30.0	30.0	30.0	20.5
20	22.0	---	10.0	8.0	10.5	11.0	20.5	20.0	30.0	---	30.0	20.5
21	22.0	---	10.0	7.0	10.5	11.0	20.5	20.0	21.0	30.0	30.0	20.5
22	22.0	---	10.0	7.0	10.5	11.0	20.5	20.0	21.0	30.0	30.0	20.5
23	22.0	---	10.0	7.0	10.5	11.0	20.5	20.0	30.0	30.0	30.0	21.0
24	22.0	---	10.0	10.0	10.5	11.0	20.5	20.0	30.0	30.0	30.0	20.5
25	21.0	---	10.0	10.0	11.0	11.0	20.0	20.0	30.0	30.0	30.0	20.5
26	21.0	---	10.0	10.0	11.0	11.0	20.0	20.0	30.0	30.0	30.0	21.0
27	21.0	---	10.0	10.0	11.0	11.0	20.0	20.0	30.0	30.0	30.0	21.0
28	21.0	---	10.0	10.0	11.0	20.0	20.0	20.0	21.0	30.0	30.0	21.0
29	21.0	---	10.0	10.0	---	20.0	20.0	20.0	30.0	30.0	30.0	20.5
30	21.0	---	10.0	10.0	---	20.0	20.0	20.0	21.0	30.0	30.0	20.5
31	21.0	---	10.0	10.0	---	20.0	---	20.0	---	30.0	30.0	---
MAX	22.0	---	11.0	10.0	11.0	20.0	20.5	20.0	30.0	30.0	30.0	21.0
MIN	21.0	---	10.0	7.0	9.0	10.5	20.0	20.0	21.0	21.0	30.0	20.5

292245090123200 BAYOU LAFOURCHE AT GALLIANO, LA (CE 82300)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	80	1400	7000	10000	80	9600	920	790	350	1200	100
2	280	80	1200	7100	11000	72	6200	8300	730	2600	220	100
3	300	80	1000	7400	2300	230	3200	8600	770	3000	240	100
4	320	90	900	7300	3200	220	6200	8500	800	600	200	150
5	240	90	3800	7200	1900	1800	4200	8200	800	620	160	110
6	230	100	4100	7400	2100	190	1300	8400	220	130	130	120
7	2400	1600	4100	8000	1800	180	1300	8500	250	500	130	360
8	2400	1700	4100	8500	3300	400	1400	7500	240	490	88	360
9	1300	2100	5800	8300	500	370	2000	7800	410	480	84	120
10	1800	2200	900	9000	700	82	2000	7400	520	290	89	120
11	1800	160	800	7900	430	96	1000	2100	290	300	83	520
12	1800	160	500	7800	190	79	1000	2100	480	93	90	520
13	1800	7100	400	7600	200	82	1100	2000	500	120	350	540
14	2200	7400	400	7500	190	200	2600	2000	730	86	670	510
15	2200	7300	230	8500	120	120	2700	1900	740	95	690	180
16	3600	7100	150	11000	92	130	2700	1400	700	1300	620	170
17	5800	800	150	4200	84	220	2600	5400	2500	1300	670	170
18	8100	820	3300	4300	59	270	1600	5400	2000	1300	1500	150
19	500	690	3700	8000	64	270	1600	5000	660	1200	1500	3500
20	550	970	800	8000	60	260	1300	2900	420	---	620	3600
21	500	1000	800	9400	66	5500	1300	470	180	1100	600	5700
22	500	1800	4700	10000	60	630	1300	---	180	1000	1400	5900
23	2000	1900	4600	10000	68	630	1200	2400	200	2900	7500	5800
24	2200	2300	900	11000	76	380	2200	2400	160	2800	7700	4000
25	1100	2000	700	11000	80	920	2100	2400	130	7500	7700	4000
26	1200	800	900	12000	72	1100	2200	2400	120	3200	7600	3500
27	7400	600	200	11000	230	9700	2200	860	120	3400	7800	3500
28	4200	800	210	11000	220	9700	2300	370	350	3200	7800	3400
29	300	1100	230	11000	---	9800	3200	330	360	3300	6700	4100
30	110	1200	3700	11000	---	9900	920	390	340	1700	6700	3900
31	140	---	2800	9500	---	9700	---	230	---	1800	5500	---
MAX	8100	7400	5800	12000	11000	9900	9600	8600	2500	7500	7800	5900
MIN	110	80	150	4200	59	72	920	230	120	86	83	100

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)

LOCATION.--Lat 29°35'55", long 90°42'36", in sec.8, T.17 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, at State Highway 24 bridge at Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1960, 1978 to January 1981 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: June 1981 to September 1981.
CHLORIDE: October 1980 to September 1981.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C July 16, 17, Aug. 18-26, 28; minimum daily, 25.0°C Sept. 20.
CHLORIDE: Maximum daily, 8,100 mg/L Nov. 18; minimum daily, 30 mg/L June 15.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PE 100	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 28...	1205	1370	7.3	20	2.0	<1.0	6.5	40	.9	K17000	9000	200
NOV 18...	1315	21400	7.4	20	15	<1.0	7.1	150	.1	700	140	2600
DEC 10...	1303	717	7.3	20	55	<1.0	6.7	36	1.8	--	--	140
JAN 20...	1215	1310	7.4	15	120	<1.0	11.0	88	2.3	K160	K32	210

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	130	33	28	200	10	69	77	370	31	.37	.01	.38
NOV 18...	2500	210	500	4100	140	98	870	7900	44	.25	.02	.27
DEC 10...	46	33	14	80	5.6	94	46	130	122	.42	.05	.47
JAN 20...	120	39	27	190	8.0	93	79	320	190	--	.04	--

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 28...	.74	.30	2	1	0	<1	0	<1	10	0	10	3
NOV 18...	.95	.06	1	0	10	0	0	0	30	0	6	2
DEC 10...	1.3	.12	2	1	0	<1	0	<1	20	0	20	7
JAN 20...	1.1	.10	2	0	0	<1	0	0	10	0	10	1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	30	8	0	.0	.0	7	2	0	0	30	7	--
NOV 18...	90	4	0	.0	.0	3	0	0	0	--	50	9.5
DEC 10...	30	10	0	.1	.0	6	3	0	0	80	10	2.4
JAN 20...	20	12	0	.0	.0	11	3	0	0	30	6	15

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
OCT 28...	.00	3	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 18...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.01
DEC 10...	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.002	<.01
JAN 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01

DATE	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 28...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.04	.00	.00	.00	8.37	.000
NOV 18...	.00	.00	.00	.0	.00	.00	.00	.00	.00	3.35	.000
DEC 10...	<.01	<.01	<.01	<.1	<.01	.01	.00	.00	.01	6.48	.060
JAN 20...	<.01	<.01	<.01	<.1	<.01	.05	.00	.00	.01	4.75	.000

< Actual value is known to be less than the value shown.

07381330 INTRACOASTAL WATERWAY AT HOUMA, LA (CE 76320)--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									29.0	28.0	---	28.0
2									29.0	28.0	---	28.0
3									29.0	28.0	---	28.0
4									29.0	28.0	---	28.0
5									29.0	29.0	---	28.0
6									29.0	27.0	29.0	29.0
7									29.0	27.0	29.0	29.0
8									29.0	28.0	29.0	29.0
9									29.0	28.0	29.0	29.0
10									29.0	28.0	29.0	29.0
11									29.0	28.0	29.0	29.0
12									29.0	28.0	29.0	29.0
13									29.0	29.0	29.0	29.0
14									29.0	29.0	29.0	29.0
15									29.0	29.0	29.0	28.0
16									29.0	30.0	29.0	28.0
17									29.0	30.0	29.0	28.0
18									29.0	---	30.0	26.0
19									29.0	---	30.0	26.0
20									29.0	---	30.0	25.0
21									29.0	---	30.0	27.0
22									29.0	---	30.0	27.0
23									29.0	---	30.0	---
24									29.0	---	30.0	26.0
25									28.0	---	30.0	26.0
26									29.0	---	30.0	26.0
27									29.0	---	28.0	26.0
28									29.0	---	30.0	26.0
29									28.0	---	28.0	26.0
30									28.0	---	29.0	26.0
31									---	---	27.0	---
MAX									29.0	---	30.0	29.0
MIN									28.0	---	27.0	25.0

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	60	100	74	1800	50	4600	40	46	56	---	82
2	79	60	140	66	2300	50	3200	42	40	56	---	76
3	77	50	140	70	540	54	2700	44	44	55	---	68
4	83	50	100	66	600	51	2300	190	42	44	---	66
5	80	120	100	71	360	90	2300	4000	44	40	---	58
6	81	100	140	70	540	51	2200	5100	45	36	50	72
7	74	80	140	70	260	50	2900	5400	36	36	56	72
8	92	90	120	70	150	42	2500	3700	35	45	56	72
9	71	110	120	73	130	70	540	2200	36	48	59	81
10	75	110	130	67	54	67	470	2400	36	52	64	86
11	72	80	100	60	66	54	440	220	50	48	54	82
12	63	60	90	75	70	52	400	210	38	56	51	82
13	73	70	90	76	42	62	260	70	41	56	49	86
14	69	80	90	110	53	50	700	70	35	50	47	82
15	76	2400	80	110	44	49	640	74	30	54	50	82
16	76	5000	70	590	56	48	1200	71	50	46	50	98
17	72	4600	70	250	54	52	1300	69	38	52	53	80
18	800	8100	70	240	56	49	1300	92	47	---	50	100
19	810	6700	80	240	---	59	1600	600	40	---	48	100
20	150	8000	90	200	---	52	1100	580	50	---	56	98
21	90	7100	60	110	59	60	160	380	40	---	59	110
22	100	1100	69	130	46	54	100	45	94	---	51	110
23	81	1400	70	130	46	50	140	56	140	---	50	---
24	190	1200	64	130	59	51	100	58	120	---	50	100
25	160	1100	66	140	50	64	62	56	130	---	52	100
26	170	140	64	510	98	53	59	54	110	---	54	100
27	100	140	71	1300	46	58	58	57	54	---	50	95
28	60	160	64	2500	51	60	48	52	43	---	150	100
29	60	110	62	2400	---	1200	43	54	62	---	450	99
30	80	120	58	1700	---	1700	45	56	53	---	660	98
31	---	---	66	1500	---	4900	---	53	---	---	1000	---
MAX	810	8100	140	2500	2300	4900	4600	5400	140	---	1000	110
MIN	60	50	58	60	42	42	43	40	30	---	47	58

293313090360500 BAYOU TERREBONNE NEAR BOURG, LA (CE 76403)

LOCATION.--Lat 29°33'13", long 90°36'05", T.17 S., R.18 E., Terrebonne Parish, Hydrologic Unit 08090302, at Bourg.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to November 1978, March 1980 to current year.
CHLORIDE-SURFACE: October 1974 to November 1978, November 1979 to current year.
CHLORIDE-10 FT DEPTH: October 1975 to November 1978, November 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Samples are collected at the water surface and at a 10-ft (3.0 m) depth.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 4, 5, 1978, July 23, 1981; minimum daily, 3.0°C Jan. 15, 1978.
CHLORIDE-SURFACE: Maximum observed, 7,500 mg/L Mar. 30, 1977; minimum daily, 14 mg/L May 31, 1975.
CHLORIDE-10 FT DEPTH: Maximum daily, 7,700 mg/L May 19, 1981; minimum daily, 14 mg/L Mar. 5, 1978.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 23; minimum daily, 10.0°C Dec. 22, 25-31, Jan. 14-19.
CHLORIDE-SURFACE: Maximum daily, 7,300 mg/L May 5; minimum daily, 36 mg/L July 8.
CHLORIDE-10 FT DEPTH: Maximum daily, 7,700 mg/L May 19; minimum daily, 36 mg/L July 8.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	15.0	---	13.0	16.0	19.0	21.0	26.0	28.0	28.0	28.0	27.0
2	24.0	15.0	---	14.0	16.0	19.0	21.0	22.0	28.0	28.0	28.0	27.0
3	23.0	16.0	---	14.0	16.0	19.0	21.0	22.0	27.0	27.0	28.0	27.0
4	23.0	17.0	---	14.0	11.0	19.0	22.0	22.0	27.0	27.0	28.0	27.0
5	23.0	17.0	---	14.0	11.0	19.0	22.0	22.0	27.0	27.0	28.0	27.0
6	23.0	17.0	---	14.0	11.0	---	21.0	22.0	27.0	27.0	28.0	27.0
7	21.0	17.0	---	18.0	11.0	---	21.0	21.0	28.0	27.0	28.0	27.0
8	21.0	17.0	---	18.0	13.0	---	21.0	21.0	28.0	27.0	28.0	27.0
9	22.0	17.0	---	18.0	15.0	17.0	22.0	22.0	27.0	27.0	28.0	27.0
10	22.0	18.0	---	18.0	15.0	16.0	22.0	22.0	27.0	28.0	28.0	27.0
11	22.0	18.0	---	15.0	15.0	15.0	22.0	22.0	27.0	28.0	28.0	27.0
12	22.0	18.0	---	15.0	---	15.0	23.0	22.0	28.0	28.0	28.0	27.0
13	23.0	---	---	15.0	---	15.0	24.0	22.0	28.0	28.0	28.0	27.0
14	23.0	---	---	10.0	---	15.0	23.0	23.0	29.0	28.0	29.0	27.0
15	23.0	---	---	10.0	---	16.0	23.0	23.0	28.0	28.0	29.0	27.0
16	---	---	---	10.0	---	16.0	23.0	23.0	28.0	28.0	29.0	29.0
17	---	---	---	10.0	---	16.0	24.0	24.0	28.0	29.0	29.0	27.0
18	---	---	---	10.0	---	16.0	24.0	25.0	29.0	29.0	30.0	25.0
19	---	---	---	10.0	---	16.0	24.0	25.0	29.0	29.0	30.0	24.0
20	---	---	---	---	15.0	16.0	24.0	23.0	29.0	29.0	30.0	24.0
21	---	---	---	---	15.0	16.0	25.0	22.0	29.0	30.0	30.0	25.0
22	---	---	10.0	---	16.0	16.0	25.0	23.0	29.0	31.0	30.0	26.0
23	---	---	11.0	---	15.0	16.0	25.0	23.0	30.0	32.0	30.0	24.0
24	---	---	---	---	15.0	16.0	24.0	24.0	30.0	31.0	29.0	24.0
25	---	14.0	10.0	---	17.0	16.0	24.0	24.0	30.0	31.0	29.0	25.0
26	---	14.0	10.0	---	17.0	16.0	24.0	24.0	30.0	30.0	28.0	26.0
27	---	11.0	10.0	13.0	19.0	17.0	24.0	25.0	30.0	30.0	28.0	25.0
28	21.0	11.0	10.0	13.0	19.0	17.0	26.0	27.0	29.0	29.0	28.0	25.0
29	21.0	12.0	10.0	12.0	---	20.0	26.0	27.0	28.0	29.0	28.0	25.0
30	21.0	12.0	10.0	15.0	---	20.0	26.0	28.0	29.0	29.0	27.0	25.0
31	21.0	---	10.0	15.0	---	20.0	---	28.0	---	29.0	27.0	---
MAX	---	---	---	18.0	19.0	20.0	26.0	28.0	30.0	32.0	30.0	29.0
MIN	---	---	---	10.0	11.0	15.0	21.0	21.0	27.0	27.0	27.0	24.0

293313090360500 BAYOU TERREBONNE NEAR BOURG, LA (CE 76403)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SAMPLING DEPTH 5.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	60	---	450	3500	55	2500	54	64	56	52	56
2	160	45	---	350	1600	54	---	60	52	55	50	74
3	95	50	---	150	1300	850	1200	64	60	54	46	80
4	100	50	---	160	1300	1100	5300	2100	60	52	45	110
5	---	50	---	140	1600	940	6100	7300	73	51	52	110
6	99	50	---	---	920	---	---	1800	92	52	61	160
7	---	50	---	140	320	---	600	1800	100	49	66	430
8	90	50	---	160	---	---	790	1100	42	36	61	460
9	91	50	---	100	420	---	1400	1300	50	40	54	290
10	100	50	---	100	120	52	---	1300	49	48	60	210
11	95	100	---	85	---	55	1400	1500	50	49	55	220
12	100	100	---	80	---	53	1400	1700	55	54	66	220
13	75	---	---	95	---	52	1500	710	61	60	74	220
14	---	---	---	91	---	50	1300	660	68	52	64	220
15	---	---	---	86	---	50	860	---	60	56	56	140
16	---	---	---	84	---	53	850	160	61	59	52	---
17	---	---	---	83	---	52	---	170	44	52	55	89
18	---	---	---	86	---	60	740	3700	42	56	50	78
19	---	---	---	68	---	56	1000	6100	40	41	46	79
20	---	---	---	---	80	57	990	610	42	54	42	82
21	---	---	---	---	57	59	950	360	40	---	46	93
22	---	---	---	---	58	---	1200	---	42	56	46	90
23	---	---	76	---	54	95	1000	---	49	---	47	96
24	---	---	80	---	58	90	760	400	46	57	48	99
25	---	2000	---	---	52	63	690	420	50	560	49	89
26	---	850	70	---	44	68	660	---	50	1100	50	89
27	---	500	73	6400	53	70	---	250	50	960	54	88
28	830	500	68	3500	52	89	150	170	58	220	48	96
29	---	450	70	---	---	90	---	86	58	71	110	120
30	75	550	70	3500	---	---	56	90	53	70	54	120
31	60	---	66	3500	---	96	---	100	---	71	50	---
MAX	---	---	---	6400	3500	1100	6100	7300	100	1100	110	460
MIN	---	---	---	68	44	50	56	54	40	36	42	56

SAMPLING DEPTH 10.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	55	---	450	4000	---	2500	60	64	60	45	55
2	160	50	---	400	1600	---	1500	65	54	56	48	76
3	100	50	---	160	1300	---	1200	58	64	51	46	81
4	110	50	---	160	1300	---	---	2100	68	52	46	110
5	100	45	---	140	2100	---	6300	7300	72	51	47	120
6	92	55	---	140	930	---	1400	1800	98	53	50	160
7	91	50	---	150	380	---	660	1800	98	50	53	430
8	100	40	---	160	540	---	770	1100	46	36	55	470
9	110	40	---	100	480	54	1500	1300	45	37	64	290
10	100	100	---	100	140	---	1500	1300	50	50	63	210
11	120	100	---	85	---	50	1400	2100	47	52	60	220
12	110	95	---	75	---	52	1600	1700	64	56	68	220
13	75	---	---	90	---	53	1500	700	58	60	67	220
14	69	---	---	88	---	48	1300	690	78	56	59	220
15	81	---	---	84	---	52	900	---	58	54	55	180
16	---	---	---	86	---	52	840	190	50	61	53	84
17	---	---	---	81	---	51	---	180	45	58	54	91
18	---	---	---	82	---	60	760	4900	50	50	46	82
19	---	---	---	73	---	52	1000	7700	40	55	44	90
20	---	---	---	---	---	56	960	4100	39	55	40	76
21	---	---	---	---	---	56	970	370	44	50	45	99
22	---	---	78	---	---	2000	1300	---	40	81	48	80
23	---	---	76	---	---	91	1100	400	46	52	45	93
24	---	---	90	---	---	---	750	390	50	56	42	90
25	---	2000	86	---	---	72	660	420	49	560	40	83
26	---	900	70	---	---	78	640	---	50	1100	50	99
27	---	500	68	6400	---	94	---	390	48	1100	50	98
28	900	500	72	4000	---	92	160	150	58	200	49	93
29	90	---	70	4000	---	---	140	85	60	58	120	130
30	75	550	71	4000	---	---	120	96	56	52	52	110
31	55	---	66	4000	---	---	---	110	---	52	50	---
MAX	---	---	---	6400	---	---	6300	7700	98	1100	120	470
MIN	---	---	---	73	---	---	120	58	39	36	40	55

292300090370000 BAYOU PETIT CAILLOU NEAR BOUDREAUX CANAL, NEAR DULAC, LA (CE 76303)

LOCATION.--Lat 29°23'00", long 90°37'00", T.19 S., R.18 E., Terrebonne Parish, Hydrologic Unit 08090302, 5.7 mi (9.2 km) east of Dulac.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to November 1978, November 1979 to current year.
CHLORIDE: October 1974 to November 1978, November 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C June 3, July 4, 31, 1977; minimum daily, 3.5°C Jan. 20, 1977.
CHLORIDE: Maximum daily, 9,600 mg/L Mar. 30, 1981; minimum daily, 12 mg/L Aug. 2, 12, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C Aug. 13-15; minimum daily, 7.0°C Jan. 17-19, 21-24.
CHLORIDE: Maximum daily, 9,600 mg/L Mar. 30; Minimum daily, 130 mg/L Oct. 31.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	17.0	13.0	10.0	17.0	19.0	22.0	23.0	27.0	28.0	28.0	26.0
2	23.0	17.0	13.0	10.0	12.0	18.0	21.0	23.0	27.0	28.0	28.0	27.0
3	23.0	17.0	13.0	10.0	10.0	17.0	22.0	23.0	26.0	28.0	28.0	27.0
4	23.0	17.0	13.0	10.0	10.0	19.0	22.0	24.0	26.0	28.0	28.0	27.0
5	23.0	17.0	13.0	10.0	10.0	16.5	22.0	24.0	26.0	28.0	29.0	27.0
6	23.0	17.0	13.0	10.0	9.0	17.0	22.0	23.0	27.0	28.0	29.0	27.0
7	23.0	17.0	13.0	10.0	9.0	17.0	20.0	23.0	27.0	28.0	28.0	28.0
8	23.0	17.0	13.0	10.0	11.0	17.0	20.0	23.0	27.0	28.0	28.0	28.0
9	23.0	17.0	13.0	10.0	11.0	14.0	21.0	23.0	27.0	29.0	29.0	27.0
10	18.0	17.0	13.0	10.0	11.0	14.0	22.0	23.0	27.0	27.0	29.0	27.0
11	18.0	17.0	13.0	10.0	11.5	15.0	22.0	23.0	27.0	28.0	29.0	27.0
12	18.0	17.0	13.0	10.0	11.5	15.0	23.0	23.0	27.0	28.0	29.0	26.0
13	20.0	16.0	13.0	9.0	9.0	15.0	24.0	23.0	26.0	28.0	30.0	26.0
14	20.0	16.0	13.0	9.0	9.0	15.0	23.0	23.0	26.0	29.0	30.0	26.0
15	20.0	16.0	11.0	9.0	9.0	15.0	23.0	23.0	28.0	29.0	30.0	26.0
16	22.0	20.0	11.0	9.0	10.0	14.0	24.0	23.0	28.0	29.0	---	25.0
17	22.0	20.0	12.0	7.0	12.0	14.0	24.0	23.0	28.0	29.0	29.0	24.0
18	22.0	16.0	12.0	7.0	12.0	17.0	24.0	23.0	28.0	29.0	29.0	22.0
19	22.0	12.0	12.0	7.0	13.0	17.0	24.0	23.0	28.0	29.0	29.0	22.0
20	22.0	12.0	12.0	9.0	15.0	17.0	24.0	22.0	28.0	29.0	29.0	22.0
21	22.0	12.0	12.0	7.0	15.0	16.0	25.0	26.0	28.0	29.0	29.0	22.0
22	21.0	12.0	12.0	7.0	15.0	16.0	25.0	26.0	29.0	29.0	28.0	23.0
23	21.0	12.0	12.0	7.0	15.0	14.5	24.0	26.0	29.0	29.0	28.0	23.0
24	21.0	12.0	12.0	7.0	16.0	14.5	23.0	24.0	29.0	29.0	28.0	24.0
25	21.0	12.0	10.0	10.0	16.0	15.5	25.0	24.0	29.0	29.0	28.0	24.0
26	21.0	12.0	10.0	10.0	16.5	17.0	24.0	24.0	29.0	28.0	27.0	25.0
27	21.0	12.0	10.0	13.0	16.0	19.0	22.0	26.0	28.0	28.0	26.0	26.0
28	21.0	12.0	10.0	13.0	17.0	19.0	---	26.0	28.0	29.0	26.0	25.0
29	21.0	12.0	10.0	13.0	---	19.0	---	26.0	28.0	29.0	26.0	25.0
30	21.0	12.0	10.0	14.0	---	19.0	---	26.0	28.0	29.0	26.0	25.0
31	21.0	---	10.0	14.0	---	21.0	---	26.0	---	29.0	26.0	---
MAX	23.0	20.0	13.0	14.0	17.0	21.0	25.0	26.0	29.0	29.0	30.0	28.0
MIN	18.0	12.0	10.0	7.0	9.0	14.0	20.0	22.0	26.0	27.0	26.0	22.0

292300090370000 BAYOU PETIT CAILLOU NEAR BOUDREAUX CANAL, NEAR DULAC, LA (CE 76303)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3700	2200	3000	4000	6300	2200	6600	6500	5700	6400	2800	5000
2	3300	2200	3200	4200	5700	2800	4600	6600	6500	6200	2800	4500
3	4700	2600	3000	4300	5500	1400	6700	6700	6200	6200	2800	4600
4	4300	2400	2800	4000	5300	4100	6700	7000	6300	5900	3300	4500
5	3400	2500	2900	4200	4400	2900	6800	6500	6500	4400	3000	4000
6	4000	2400	3000	4400	5100	1800	3800	6700	6200	4600	3200	4000
7	4100	2700	6200	4200	2500	1700	4000	7200	6100	4400	3500	4000
8	4200	2700	6000	4000	2500	1500	6500	7500	4000	5500	3400	3800
9	4100	2600	3700	7500	1300	1500	5200	7600	4000	5600	3300	3800
10	4300	2700	3800	5800	1300	2100	5600	6600	5000	2800	3700	3800
11	3600	4700	3700	3900	410	2200	8000	6700	5600	3100	3300	4300
12	3400	2900	3700	4800	2300	2100	8000	5800	5200	2800	3500	4200
13	3400	7600	3700	5800	400	2500	8000	5800	5400	3100	3500	4400
14	4400	8600	3000	5000	1600	3200	5000	5700	5300	2800	3700	4400
15	5100	5800	3000	5200	2400	3800	4900	7100	5400	3700	4200	3600
16	5300	6100	3000	4400	730	3400	5000	7100	3500	5000	---	3700
17	5400	5100	4300	4500	770	4700	5000	7200	3400	4800	4300	3400
18	4600	5200	3900	5000	740	4500	6100	6800	3600	4900	2400	3400
19	4100	3800	3500	5600	520	2600	6200	6800	5300	4800	3400	5700
20	4600	3600	4400	4500	490	3900	6100	6900	3700	4700	3000	5800
21	4200	4400	4800	4500	450	4100	6200	6000	6500	3100	3400	4800
22	4800	4100	4000	4200	460	3600	6100	6200	4200	3300	3800	4700
23	4500	2500	4000	5600	450	2200	6700	6100	4300	3300	4300	4700
24	4500	6100	4000	6500	1700	2900	6800	6300	5100	5700	4300	4400
25	5100	3300	4000	9300	1900	1600	6700	6400	3200	5800	4400	4500
26	4900	3200	5000	7200	1800	740	6700	6500	3200	4300	4200	---
27	5800	3200	4600	6300	1600	7800	7200	5200	3700	4200	4700	4800
28	900	3600	3100	6700	3000	8300	---	4800	3700	3600	4700	5000
29	800	2500	3500	6900	---	8200	---	6200	3900	3600	4700	6100
30	400	2300	3400	5900	---	9600	---	6600	3300	3700	4700	6100
31	130	---	4100	9400	---	6200	---	5600	---	3600	4700	---
MAX	5800	8600	6200	9400	6300	9600	8000	7600	6500	6400	4700	6100
MIN	130	2200	2800	3900	400	740	3800	4800	3200	2800	2400	3400

292700090420000 BAYOU GRAND CAILLOU NEAR DULAC, LA (CE 76323)

LOCATION.--Lat 29°27'00", long 90°42'00", T.19 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, 4.0 mi (6.4 km) north of Dulac.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1977 to November 1978, March 1980 to current year.
CHLORIDE: October 1974 to November 1978, November 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 36.0°C Oct. 10, Nov. 1, 8, 17, 1977, May 25, July 1, 1978; minimum daily, 6.0°C Dec. 25, 1980 Feb. 5, 12, 1981.
CHLORIDE: Maximum daily, 18,000 mg/L Nov. 2, 1974; minimum daily, 14 mg/L Aug. 6, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 27, Sept. 12; minimum daily, 6.0°C Dec. 25, Feb. 5, 12.
CHLORIDE: Maximum daily, 6,200 mg/L Feb. 1, 2; minimum daily, 40 mg/L Feb. 27, 28.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	20.0	---	10.0	11.0	20.0	18.0	23.0	29.0	25.0	27.0	27.0
2	---	20.0	---	8.0	11.0	20.0	15.0	23.0	27.0	25.0	28.0	29.0
3	---	20.0	---	12.0	7.0	21.0	17.0	23.0	28.0	26.0	28.0	29.0
4	---	20.0	---	13.0	9.0	21.0	15.0	24.0	28.0	26.0	28.0	26.0
5	---	20.0	---	12.0	6.0	21.0	16.0	24.0	28.0	27.0	28.0	26.0
6	---	20.0	---	10.0	14.0	21.0	20.0	24.0	28.0	27.0	26.0	27.0
7	---	20.0	---	10.0	14.0	21.0	21.0	26.0	28.0	30.0	25.0	27.0
8	---	20.0	---	11.0	12.0	21.0	21.0	26.0	28.0	27.0	24.0	28.0
9	---	20.0	14.0	12.0	16.0	21.0	23.0	26.0	28.0	28.0	24.0	29.0
10	21.0	20.0	14.0	10.0	10.0	15.0	20.0	26.0	28.0	28.0	27.0	30.0
11	21.0	20.0	13.0	10.0	10.0	15.0	22.0	26.0	28.0	29.0	24.0	30.0
12	21.0	20.0	15.0	11.0	6.0	14.0	22.0	26.0	28.0	29.0	29.0	32.0
13	23.0	18.0	14.0	8.0	9.0	17.0	24.0	22.0	29.0	28.0	29.0	28.0
14	21.0	17.0	16.0	9.0	11.0	16.0	26.0	20.0	29.0	30.0	26.0	28.0
15	23.0	19.0	19.0	9.0	10.0	16.0	24.0	20.0	29.0	31.0	29.0	29.0
16	23.0	19.0	19.0	7.0	10.0	14.0	25.0	23.0	29.0	31.0	30.0	29.0
17	23.0	18.0	17.0	9.0	12.0	13.0	24.0	24.0	30.0	29.0	30.0	27.0
18	23.0	17.0	17.0	9.0	14.0	15.0	20.0	20.0	30.0	27.0	28.0	28.0
19	19.0	16.0	17.0	9.0	13.0	14.0	21.0	23.0	30.0	30.0	26.0	29.0
20	20.0	15.0	---	8.0	15.0	16.0	24.0	25.0	30.0	31.0	27.0	26.0
21	19.0	15.0	---	7.0	14.0	15.0	26.0	25.0	30.0	30.0	24.0	24.0
22	19.0	14.0	---	7.0	14.0	14.0	27.0	24.0	30.0	30.0	25.0	24.0
23	19.0	17.0	12.0	9.0	15.0	15.0	27.0	24.0	30.0	29.0	26.0	25.0
24	19.0	16.0	7.0	10.0	16.0	---	25.0	26.0	30.0	28.0	24.0	27.0
25	23.0	12.0	6.0	12.0	17.0	---	20.0	24.0	27.0	30.0	24.0	26.0
26	20.0	12.0	9.0	14.0	18.0	---	24.0	24.0	28.0	30.0	25.0	24.0
27	20.0	11.0	9.0	14.0	15.0	---	23.0	28.0	28.0	32.0	27.0	25.0
28	20.0	11.0	7.0	15.0	17.0	---	---	28.0	29.0	31.0	27.0	25.0
29	20.0	13.0	10.0	14.0	---	---	---	28.0	31.0	29.0	26.0	24.0
30	20.0	13.0	10.0	16.0	---	---	---	28.0	30.0	31.0	28.0	24.0
31	20.0	---	9.0	16.0	---	---	---	28.0	---	31.0	27.0	---
MAX	23.0	20.0	19.0	16.0	18.0	21.0	27.0	28.0	31.0	32.0	30.0	32.0
MIN	19.0	11.0	6.0	7.0	6.0	13.0	15.0	20.0	27.0	25.0	24.0	24.0

292700090420000 BAYOU GRAND CAILLOU NEAR DULAC, LA (CE 76323)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	[illegible]	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	200	410	1200	500	6200	240	4800	4100	130	60	170	690
2	190	440	1300	480	6200	240	4900	4300	120	60	160	740
3	200	450	1200	480	2200	240	4900	4400	120	60	170	680
4	200	450	1300	520	2400	250	4900	4400	130	58	150	610
5	190	440	1400	490	370	240	4900	4400	130	60	140	700
6	120	440	1400	490	400	240	3900	4300	130	60	76	640
7	120	420	1300	470	150	240	3000	4400	120	110	74	700
8	120	440	1200	950	250	110	3700	4300	100	110	75	680
9	140	440	1400	940	200	99	1400	4300	74	110	72	700
10	110	440	1400	1700	210	79	1300	4300	67	110	75	660
11	110	---	1300	1700	190	80	1300	4400	60	110	75	680
12	120	---	300	1800	210	82	1300	410	70	100	76	660
13	350	1200	200	1700	110	97	1300	380	72	110	76	660
14	350	300	300	1700	110	86	820	380	69	70	74	680
15	350	200	230	1700	100	81	840	410	66	70	74	560
16	360	350	240	4000	100	110	830	380	70	68	73	520
17	420	310	230	4100	100	87	800	2000	68	72	82	520
18	1200	340	290	4100	110	120	820	2300	66	68	2600	510
19	1000	340	180	4000	100	120	880	380	65	70	2600	490
20	1200	540	200	4200	100	120	810	400	69	72	2600	560
21	1200	350	170	4200	500	110	850	380	71	180	2700	540
22	1200	340	180	4100	580	120	900	380	70	190	2600	470
23	1300	360	190	4200	86	110	900	360	64	190	2600	530
24	1200	320	240	4000	76	4800	900	380	55	210	2600	530
25	1200	320	250	4000	46	4800	810	420	58	200	2700	540
26	500	330	250	4200	43	4800	900	400	58	160	2600	560
27	500	330	250	5000	40	4800	880	220	60	180	2600	510
28	440	370	330	5000	40	4800	---	180	60	170	2700	540
29	460	250	330	5000	---	4800	---	160	60	170	2700	530
30	410	1400	340	6000	---	4900	---	160	59	170	2600	540
31	410	---	230	6100	---	4800	---	160	---	170	2700	---
MAX	1300	1400	1400	6100	6200	4900	4900	4400	130	210	2700	740
MIN	110	200	170	470	40	79	800	160	55	58	72	470

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°34'00", long 90°42'55", T.17 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, near center of span on downstream side of bridge on State Highway 661 at Houma.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1977 to September 1981 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1978 to September 1978, October 1979 to June 1980, October 1980 to September 1981 (discontinued).
WATER TEMPERATURES: April 1978 to September 1978, October 1980 to September 1981 (discontinued).

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 26,000 micromhos Aug. 29, 1978; minimum daily, 152 micromhos Apr. 25, 26, 1980.
WATER TEMPERATURES: Maximum daily, 30.0°C many days during 1978; minimum daily, 9.0°C Jan. 22, 1981.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 21,100 micromhos Mar. 30; minimum daily, 337 micromhos Feb. 19.
WATER TEMPERATURES: Maximum daily, 27.0°C Oct. 2; minimum daily 9.0°C Jan. 22.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)
OCT 15...	1200	769	520	7.1	23.5	10	8.5	6.8	6.7	--	K380	140
JAN 08...	1300	2630	489	7.3	11.0	20	92	9.4	4.0	K76	K8	140
MAR 12...	1200	3110	382	7.3	16.0	40	50	8.9	4.6	--	K75	120
MAY 13...	1200	1960	468	7.3	24.0	15	61	6.6	6.3	--	1700	140
JUL 01...	1100	E.00	396	7.2	30.0	15	45	4.5	3.9	120	100	120
SEP 02...	1000	1920	389	7.4	28.0	30	75	4.8	1.6	--	K850	110

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)
OCT 15...	36	38	12	45	4.1	108	51	64	.2	5.4	300	285
JAN 08...	44	35	12	48	3.6	93	48	68	.2	4.6	274	276
MAR 12...	40	31	9.2	30	3.3	75	38	45	.2	4.1	211	206
MAY 13...	47	37	12	33	3.1	95	58	46	.1	4.1	266	251
JUL 01...	33	31	10	33	3.3	86	47	47	.1	6.9	229	232
SEP 02...	24	30	9.6	30	3.8	90	30	43	.1	7.5	223	209

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT 15...	.35	.32	.16	.08	1.5	1.3	.20	.02	--	11	--
JAN 08...	.48	.48	--	.22	2.3	1.4	.05	.03	13	--	--
MAR 12...	.35	.38	.01	.01	1.8	1.2	.12	.04	--	19	2.2
MAY 13...	1.1	1.1	.14	.10	1.5	.91	.35	.13	--	8.2	1.0
JUL 01...	.58	.56	.10	.10	1.8	1.3	.15	.06	--	8.4	2.5
SEP 02...	.86	.89	<.06	<.06	1.1	1.1	.21	.08	8.1	--	--

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

E Estimated value.

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)
OCT										
15...	3	1	300	100	1	2	0	0	2	<3
MAR										
12...	2	1	300	100	0	0	30	10	0	0
MAY										
13...	3	1	300	100	1	<1	10	0	1	<3
JUL										
01...	7	3	200	200	2	<1	0	0	0	<1

DATE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT									
15...	12	6	2500	10	11	2	170	50	.0
MAR									
12...	8	2	3300	70	4	0	150	10	.1
MAY									
13...	2	4	3100	30	21	2	130	7	.2
JUL									
01...	12	7	2300	140	12	3	100	20	.1

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT									
15...	.0	7	1	0	0	1	0	30	10
MAR									
12...	.1	4	1	0	0	0	0	30	20
MAY									
13...	.1	5	0	0	0	0	0	50	20
JUL									
01...	.0	5	2	0	0	0	0	20	10

DATE	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
15...	260000	162	336	87
JAN				
08...	--	260	1850	97
MAR				
12...	19000	194	1630	90
MAY				
13...	13000	180	953	84
JUL				
01...	220000	226	E.00	67
SEP				
02...	--	133	689	98

< Actual value is known to be less than the value shown.

E Estimated value.

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	586	538	---	7940	---	13100	2600	---	402	376	396
2	562	621	627	---	9920	---	2020	455	---	398	376	410
3	573	590	552	---	613	---	4510	4080	406	385	393	411
4	542	522	529	---	1230	---	---	527	410	369	393	447
5	548	465	---	---	1140	---	---	17900	417	363	390	468
6	511	537	---	---	970	---	863	519	398	361	390	451
7	528	552	---	---	685	---	1790	419	370	364	404	476
8	532	551	---	---	701	---	2390	464	360	376	392	455
9	532	559	---	501	630	---	1530	7840	373	370	384	498
10	533	544	---	510	759	---	967	496	---	390	391	453
11	525	508	---	935	486	---	737	484	370	388	392	491
12	477	473	---	---	519	380	625	423	367	384	380	478
13	513	521	---	407	---	388	658	461	370	384	---	440
14	523	16800	---	513	388	389	676	466	369	374	---	509
15	524	549	---	588	400	401	450	445	366	378	---	430
16	547	510	---	907	373	---	452	451	364	389	---	470
17	4510	519	---	751	372	---	893	545	356	386	---	422
18	4500	538	---	550	366	---	1120	470	368	369	---	465
19	581	826	---	539	337	---	891	530	382	369	6630	472
20	570	2750	---	980	---	---	---	424	378	377	383	486
21	2390	1970	---	---	---	433	---	---	371	383	1080	527
22	536	2030	---	805	---	429	---	---	385	399	412	539
23	635	3670	---	719	---	409	---	455	393	396	5380	505
24	590	1410	---	743	---	422	---	442	394	424	424	452
25	648	1160	---	1120	---	437	---	432	389	417	6660	469
26	520	1350	---	4470	---	429	---	582	379	431	406	479
27	730	842	---	5390	---	423	---	436	---	---	346	455
28	569	695	---	7510	---	446	445	428	---	---	498	461
29	548	574	---	---	---	1720	445	436	---	371	519	471
30	449	554	---	---	---	21100	468	---	---	403	408	---
31	429	---	---	4190	---	10800	---	---	---	418	349	---
MAX	4510	16800	---	7510	---	---	13100	17900	417	431	6660	539
MIN	429	465	---	407	---	---	445	419	356	361	346	396

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	17.0	14.0	---	15.0	---	22.0					
2	27.0	17.0	14.0	---	14.0	---	22.0					
3	26.0	18.0	15.0	---	15.0	---	22.0					
4	25.0	19.0	15.0	---	14.0	---	---					
5	25.0	18.0	---	---	14.0	---	---					
6	24.0	---	---	---	13.0	---	24.0					
7	24.0	19.0	---	---	14.0	---	23.0					
8	23.0	20.0	---	---	14.0	---	24.0					
9	23.0	19.0	---	13.0	14.0	---	24.0					
10	23.0	20.0	---	12.0	15.0	---	25.0					
11	24.0	21.0	---	12.0	15.0	---	25.0					
12	24.5	20.0	---	---	14.0	17.0	25.0					
13	24.0	20.0	---	11.0	---	17.0	25.0					
14	24.0	20.0	---	13.0	10.0	18.0	26.0					
15	25.0	20.0	---	12.0	11.0	18.0	24.0					
16	25.0	20.0	---	11.0	14.0	---	24.0					
17	26.0	---	---	10.0	13.0	---	25.0					
18	26.0	17.0	---	10.0	11.0	---	24.0					
19	---	19.0	---	10.0	14.0	---	25.0					
20	20.0	18.0	---	---	---	---	---					
21	22.0	15.0	---	---	---	19.0	---					
22	24.0	17.0	---	9.0	---	18.0	---					
23	25.0	16.0	---	---	---	18.0	---					
24	25.0	16.0	---	10.0	---	18.0	---					
25	23.0	16.0	---	11.0	---	19.0	---					
26	22.0	16.0	---	11.0	---	18.0	---					
27	22.0	14.0	---	12.0	---	19.0	---					
28	19.0	14.0	---	13.0	---	19.0	17.0					
29	20.0	12.0	---	---	---	19.0	14.0					
30	18.0	13.0	---	---	---	20.0	17.0					
31	17.0	---	---	15.0	---	22.0	---					
MAX	27.0	21.0	---	---	---	---	26.0					
MIN	17.0	12.0	---	---	---	---	14.0					

07381325 HOUMA NAVIGATION CANAL AT HOUMA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO JULY 1981

DATE	OCT 15,80	MAR 12,81	MAY 13,81	JUL 1,81
TIME	1200	1200	1200	1100
TOTAL CELLS/ML	260000	19000	13000	220000
DIVERSITY: DIVISION	0.3	1.0	1.5	0.3
.CLASS	0.3	1.0	1.5	0.3
..ORDER	0.6	1.7	2.0	0.6
...FAMILY	0.9	1.8	2.3	0.9
....GENUS	1.1	2.4	3.0	1.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...CHARACIACEAE								
....SCHROEDERIA	*	0	--	-	--	-	--	-
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	590	5	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	*	0	860	4	370	3	*	0
....DICTYOSPHAERIUM	1600	1	--	-	--	-	--	-
....KIRCHNERIELLA	1300	1	320	2	74	1	*	0
....SELENASTRUM	*	0	--	-	--	-	--	-
...SCENEDESMACEAE								
....SCENEDESMUS	3200	1	430	2	1200	9	2600	1
....TETRASTRUM	--	-	--	-	300	2	1100	1
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	*	0	110	1	450	3	*	0
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	2100	1	4700#	25	3600#	28	2600	1
....MELOSIRA	*	0	6400#	34	2200#	17	--	-
....STEPHANODISCUS	--	-	--	-	74	1	--	-
..PENNALES								
...NAVICULACEAE								
....DIPLONEIS	--	-	--	-	74	1	--	-
....NAVICULA	--	-	110	1	74	1	--	-
...NITZSCHIACEAE								
....NITZSCHIA	2100	1	3900#	20	1400	11	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	8400	3	--	-	2400#	18	12000	5
....ANACYSTIS	4700	2	2100	11	150	1	2900	1
..HORMOGONALES								
...NOSTOCACEAE								
....APHANIZOMENON	--	-	--	-	--	-	8300	4
....CYLINDROSPERMUM	7400	3	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	7900	3	--	-	--	-	--	-
....OSCILLATORIA	220000#	84	--	-	--	-	190000#	86
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....PHACUS	--	-	110	1	74	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07381327 HOUMA NAVIGATION CANAL AT CROZIER, LA (CE 76343)

LOCATION.--Lat 29°32'22", long 90°42'16", in lot 15, T.8 S., R.17 E., Terrebonne Parish, Hydrologic Unit 08090302, on right bank of canal and 0.8 mi (1.3 km) east of Crozier.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1966, 1975, 1976 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to September 1978, October 1980 to September 1981.
CHLORIDE: October 1974 to September 1975, October 1976 to October 1978, November 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum daily, 31.0°C June 8-13, Oct. 1, 2, 3, 1977; minimum daily, 7.0°C Jan. 20, 21, 22, 23, 1978.
CHLORIDE: Maximum daily, 11,000 mg/L Nov. 17, 1980; minimum daily, 15 mg/L Apr. 25, 30, May 5, 11, 14, 31, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum daily, 29.0°C Apr. 3; minimum daily, 10.0°C Jan. 17-21, 24-26, Feb. 14.
CHLORIDE: Maximum daily, 11,000 mg/L Nov. 17; minimum daily, 36 mg/L June 8.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	18.0	14.0	13.0	---	20.0	22.0					
2	---	17.0	14.0	13.0	16.0	20.0	24.0					
3	---	19.0	15.0	---	15.0	20.0	29.0					
4	---	19.0	15.0	---	14.0	20.0	24.0					
5	---	18.0	15.0	---	15.0	20.0	24.0					
6	---	18.0	---	---	13.0	19.0	24.0					
7	---	19.0	---	16.0	14.0	19.0	23.0					
8	---	---	---	15.0	14.0	---	24.0					
9	---	---	---	14.0	14.0	17.0	---					
10	---	---	18.0	15.0	14.0	18.0	23.0					
11	---	---	18.0	16.0	14.0	17.0	23.0					
12	---	18.0	18.0	15.0	13.0	17.0	24.0					
13	---	---	15.0	14.0	11.0	17.0	24.0					
14	---	19.0	17.0	---	10.0	17.0	25.0					
15	---	19.0	15.0	11.0	16.0	17.0	---					
16	---	19.0	16.0	---	13.0	17.0	24.0					
17	---	19.0	---	10.0	17.0	17.0	25.0					
18	---	19.0	15.0	10.0	18.0	17.0	24.0					
19	---	---	16.0	10.0	18.0	---	---					
20	---	16.0	15.0	10.0	19.0	---	---					
21	---	16.0	14.0	10.0	19.0	17.0	---					
22	---	16.0	14.0	---	17.0	17.0	---					
23	---	16.0	14.0	---	17.0	17.0	---					
24	---	16.0	14.0	10.0	18.0	18.0	---					
25	---	16.0	---	10.0	18.0	19.0	---					
26	---	15.0	---	10.0	18.0	19.0	---					
27	---	---	14.0	12.0	18.0	18.0	---					
28	---	---	12.0	13.0	19.0	19.0	---					
29	---	12.0	12.0	13.0	---	19.0	---					
30	18.0	13.0	12.0	14.0	---	20.0	---					
31	17.0	---	12.0	---	---	22.0	---					
MAX	---	19.0	18.0	16.0	19.0	22.0	---					
MIN	---	12.0	12.0	10.0	10.0	17.0	---					

07381327 HOUMA NAVIGATION CANAL AT CROZIER, LA (CE 76343)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	140	90	74	2400	46	4100	---	50	---	50	49
2	---	140	120	73	3000	46	1500	63	45	61	46	50
3	---	140	85	---	180	52	1700	58	---	50	54	---
4	---	110	75	---	260	46	2700	1100	40	60	58	---
5	---	80	75	---	260	48	1500	8300	42	50	47	100
6	---	90	---	---	230	48	260	---	50	44	51	72
7	---	110	---	66	150	56	440	3800	42	45	---	82
8	---	---	---	72	130	---	670	---	36	45	50	73
9	---	---	---	63	100	59	---	---	44	---	49	86
10	---	---	85	74	140	56	170	---	40	---	50	74
11	---	---	70	85	84	55	110	---	47	65	48	76
12	---	85	90	70	74	56	150	58	46	65	50	---
13	---	1200	150	75	74	56	170	52	42	60	49	---
14	---	9400	130	---	70	61	57	59	40	52	---	---
15	---	10000	160	95	60	53	60	54	42	56	---	56
16	---	9800	120	140	64	56	48	54	40	49	---	46
17	---	11000	---	76	77	55	170	73	40	48	---	62
18	---	5400	130	74	59	59	240	57	38	---	---	63
19	---	---	150	92	48	---	160	100	44	---	43	90
20	---	1500	140	290	54	---	73	44	---	---	50	82
21	---	600	110	100	48	54	49	46	---	50	50	76
22	---	1500	130	---	47	52	51	49	---	58	54	84
23	---	2100	120	---	42	54	54	86	---	57	50	---
24	---	1100	69	130	50	92	---	85	48	65	50	64
25	---	220	---	260	48	100	---	70	49	50	50	69
26	---	220	---	990	50	160	---	70	50	50	---	66
27	---	---	70	1600	52	86	---	72	52	50	54	64
28	90	---	60	2200	50	66	---	60	58	60	760	71
29	85	340	56	2000	---	450	---	55	53	---	1500	---
30	80	440	61	2300	---	6900	---	50	53	53	1700	---
31	65	---	54	---	---	3300	---	---	---	60	120	---
MAX	---	11000	160	2300	3000	6900	4100	8300	58	65	1700	100
MIN	---	80	54	63	42	46	48	44	36	44	43	46

292345090504500 LAKE DE CADE NEAR THERIOT, LA (CE 91905)

LOCATION.--Lat 29°23'45", long 90°50'45", in SW1/4NE1/4 sec.29, T.19 S., R.16 E., Terrebonne Parish, Hydrologic Unit 08090302, 7.3 mi (11.8 km) southwest of Theriot.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 28...	1255	6190	8.0	10	0	<1.0	8.0	68	1.9	K120	K45	730
NOV 18...	1525	8150	7.8	20	20	<1.0	9.3	67	1.1	--	K20	910
DEC 10...	1249	7140	7.4	15	15	<1.0	8.9	53	1.9	--	K24	800
JAN 20...	1315	5260	7.5	20	50	<1.0	12.6	94	4.4	K8	<4	610

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	620	77	130	1000	36	110	220	1900	16	.09	.00	.09
NOV 18...	810	83	170	1400	55	95	260	2500	54	.00	.00	.00
DEC 10...	710	73	150	1300	44	93	300	2300	44	.08	.01	.09
JAN 20...	510	61	110	890	29	97	230	1600	142	.12	.02	.14

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 28...	.96	.16	1	1	0	0	0	0	10	0	7	2
NOV 18...	.83	.11	0	0	0	0	0	0	0	0	8	3
DEC 10...	1.6	.05	1	0	0	0	0	0	0	0	3	3
JAN 20...	.95	.12	1	0	0	0	0	0	20	0	7	1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

292345090504500 LAKE DE CADE NEAR THERIOT, LA (CE 91905)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 28...	10	5	0	.0	.0	6	2	0	0	10	10	--
NOV 18...	170	5	0	.0	.0	6	2	0	0	20	10	10
DEC 10...	30	2	1	.1	.0	3	3	0	0	30	20	4.2
JAN 20...	40	14	0	.0	.0	7	3	0	0	20	10	22

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT 28...	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 18...	.00	2	0	.0	.0	.000	.0	.000	.000	.000	.01
DEC 10...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.02
JAN 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT 28...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.14	.00	.00	.00	37.8	.000
NOV 18...	.00	.00	.00	.0	.00	.13	.00	.00	.00	31.9	4.27
DEC 10...	<.01	<.01	<.01	<.1	<.01	.03	.00	.00	.01	4.42	.000
JAN 20...	<.01	<.01	<.01	<.1	<.01	.03	.00	.00	.01	27.3	.000

< Actual value is known to be less than the value shown.

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)

LOCATION.--Lat 29°53'40", long 91°26'46", T.13 S., R.10 E., St. Mary Parish, Hydrologic Unit 08080101, 5.0 mi (8.0 km) east of Charenton and at mile 95.4 (153.5 km).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 28...	1345	407	7.8	--	10	20	<1.0	7.6	17	--	110	K4
NOV 18...	1620	479	7.6	--	10	25	<1.0	8.5	14	.1	K95	K10
DEC 10...	0957	542	8.0	--	5	30	<1.0	10.5	23	1.1	--	K32
JAN 20...	1445	573	7.8	--	5	10	<1.0	12.4	22	2.6	K28	K2
JUN 09...	1400	297	7.0	--	20	100	<1.0	6.1	27	.4	K700	K64
AUG 11...	1200	350	6.5	28.5	20	160	<1.0	6.4	50	.9	K250000	K38000

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 28...	150	30	37	13	29	3.5	116	47	34	25	.84	.01
NOV 18...	170	51	42	16	44	4.4	120	70	53	36	.86	.01
DEC 10...	160	47	38	15	35	3.6	108	68	39	52	--	--
JAN 20...	180	42	47	16	43	3.2	141	63	54	26	1.1	.01
JUN 09...	110	34	29	8.0	16	2.9	71	44	21	260	1.7	.02
AUG 11...	120	39	33	9.5	20	3.6	83	44	23	290	.91	.01

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
OCT 28...	.85	.67	.27	2	1	0	<1	1	<1	0	0	7
NOV 18...	.87	.77	.14	1	1	0	<1	1	<1	0	0	49
DEC 10...	--	1.1	--	1	1	0	1	0	1	0	0	4
JAN 20...	1.1	.87	.06	1	1	0	<1	0	<1	0	0	4
JUN 09...	1.7	1.0	.21	4	1	0	0	2	0	20	0	14
AUG 11...	.92	1.1	.13	4	2	0	<1	0	<1	20	0	21

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07381557 CHICOT PASS AT MYETTE POINT, NEAR CHARENTON, LA (CE 03750)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
OCT 28...	3	40	4	0	.0	.0	7	3	0	0	1.0	10
NOV 18...	4	40	3	6	.0	.0	3	2	0	0	6.0	10
DEC 10...	3	40	4	1	.0	.0	5	3	0	0	1.0	30
JAN 20...	2	30	14	2	.1	.0	6	0	0	0	1.0	0
JUN 09...	6	60	4	3	.1	.0	11	3	0	0	3.0	50
AUG 11...	4	16	2	2	.2	.1	11	2	1	0	1.0	50

DATE	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 28...	3	--	.00	0	0	.0	.0	.000	.0	.000	.000	.000
NOV 18...	<3	4.5	.00	1	0	.0	.0	.000	.0	.000	.000	.000
DEC 10...	3	7.4	.00	0	1	<.1	<.1	<.001	<.1	.001	.001	<.001
JAN 20...	7	5.4	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001
JUN 09...	40	8.0	.01	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001
AUG 11...	5	13	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001

DATE	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 28...	.01	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	.01	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUN 09...	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
AUG 11...	.06	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.02	.00	.01	.00	3.10	.000
NOV 18...	.00	.00	.00	.0	.00	.03	.00	.01	.00	4.72	.000
DEC 10...	<.01	<.01	<.01	<.1	<.01	.02	.00	.01	.00	1.53	.000
JAN 20...	<.01	<.01	<.01	<.1	<.01	.03	.00	.01	.00	4.18	.000
JUN 09...	<.01	<.01	<.01	<.1	<.01	.05	<.01	.01	<.01	.000	.000
AUG 11...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	.01	<.01	1.09	.000

< Actual value is known to be less than the value shown.

07381590 WAX LAKE OUTLET AT CALUMET, LA

LOCATION.--Lat 29°41'52", long 91°22'22", in lot 56, T.15 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080101, at Southern Pacific Transportation Co. railroad bridge, 160 ft (49m) downstream from State Highway 90, 0.4 mi (0.6 km) downstream from Bayou Teche, 0.5 mi (0.8 km) west of Calumet, and 9.8 mi (15.8 km) west of Morgan City.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to June 1975 (discharge measurements only), October 1976 to current year (elevations and discharge measurements only). Gage heights, May 1942 to September 1976 and discharge, 1942-46, 1949-55, and intermittently, 1957 to current year (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Relief outlet for Atchafalaya basin; discharge and elevation affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 7.32 ft (2.231 m) May 4, 1979; minimum, -1.01 ft (-0.308 m) Jan. 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 4.45 ft (1.356 m) June 15; minimum, -1.01 ft (-0.308 m) Jan. 17.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)
Oct. 16, 1980.......	43,000	Mar. 9.............	91,100	June 23...............	124,000
Nov. 10.............	48,100	Mar. 23.............	69,700	July 14...............	96,800
Nov. 18.............	29,000	Apr. 7.............	44,700	July 28...............	63,200
Dec. 2.............	38,500	Apr. 21.............	52,200	Aug. 4...............	68,100
Dec. 16.............	42,100	May 12.............	57,800	Aug. 11...............	77,100
Jan. 6, 1981.......	32,100	May 27.............	87,800	Sept. 1...............	40,000
Jan. 28.............	11,000	June 9.............	122,000	Sept. 15...............	62,700
Feb. 17.............	63,600				

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981 INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.34	.78	.84	.28	1.00	1.13	1.35	1.97	3.62	4.16	2.45	2.52
2	1.88	.84	1.05	-.13	-.10	1.17	.89	1.79	3.83	4.13	2.42	2.54
3	.84	.87	.26	.07	-.31	1.24	1.28	2.69	3.81	4.04	2.63	2.08
4	1.45	.62	.83	.27	.53	2.22	2.31	3.04	3.69	3.90	2.65	2.09
5	1.30	.38	.72	-.18	.45	2.04	1.30	3.37	3.83	3.91	2.23	1.68
6	1.15	.85	.88	.58	.75	1.82	1.63	3.07	3.91	3.82	2.15	1.99
7	1.32	.98	1.14	.20	1.72	2.44	2.26	2.98	3.61	3.68	2.23	1.83
8	1.50	1.36	1.46	.53	1.63	2.31	2.55	2.96	3.49	3.56	2.23	1.95
9	1.54	1.42	1.50	1.07	1.66	2.09	2.03	2.81	3.51	3.21	2.20	1.45
10	1.53	1.18	.74	.70	2.97	2.20	1.41	2.36	3.86	3.12	2.37	2.17
11	1.50	1.33	.73	.45	.68	2.16	1.36	1.49	4.03	3.08	2.58	2.39
12	.89	1.21	1.20	-.49	-.08	2.03	1.29	1.44	4.17	3.28	2.56	2.24
13	.93	2.17	1.06	.56	.54	1.93	1.29	1.98	4.30	3.26	2.57	2.23
14	1.42	2.45	.70	.18	.47	1.95	1.36	2.16	4.30	3.16	2.47	2.45
15	1.53	2.01	.95	-.06	.77	2.03	1.16	1.52	4.40	3.05	2.53	2.51
16	2.12	1.37	.86	-.25	1.29	1.95	1.34	2.49	4.27	3.07	2.35	2.00
17	2.38	2.82	.31	-.71	1.17	1.86	1.73	2.94	4.10	2.92	2.56	1.26
18	2.23	.47	.80	-.45	1.36	2.59	1.94	3.06	3.99	2.65	2.24	.72
19	2.61	.35	1.09	-.13	1.22	1.47	2.16	3.09	4.03	2.32	1.98	1.46
20	.36	.23	.56	.82	1.08	1.42	2.25	.93	4.06	2.19	1.72	1.98
21	1.01	-.06	.84	-.11	1.28	2.22	1.95	1.48	4.14	2.17	1.60	2.01
22	.95	.57	1.18	.59	1.61	2.12	2.41	1.65	4.02	2.14	1.86	2.07
23	1.16	1.51	1.55	.38	1.36	.84	2.13	2.45	3.82	1.99	2.11	1.78
24	1.01	.89	1.71	.67	1.12	1.23	1.35	2.23	3.85	2.02	2.35	1.57
25	-.13	.92	.32	1.29	.93	1.15	1.96	2.31	3.88	2.35	2.25	1.47
26	1.03	.36	1.44	.96	1.07	1.13	1.88	2.65	3.76	1.87	2.37	1.70
27	2.05	.52	.98	1.09	.97	1.31	1.86	2.30	3.83	1.92	2.92	1.61
28	1.70	.81	.68	.70	.99	1.17	1.83	2.47	3.89	2.57	2.80	1.64
29	.36	.86	.46	.62	---	1.78	1.85	2.86	3.90	2.50	2.67	1.65
30	.61	.68	.06	.27	---	1.75	1.80	3.30	3.95	2.71	2.87	1.79
31	.49	---	.05	-.28	---	1.19	---	3.44	---	2.62	2.81	---
MEAN	1.29	1.02	.87	.31	1.00	1.74	1.73	2.43	3.93	2.95	2.38	1.89
MAX	2.61	2.82	1.71	1.29	2.97	2.59	2.55	3.44	4.40	4.16	2.92	2.54
MIN	-.13	-.06	.05	-.71	-.31	.84	.89	.93	3.49	1.87	1.60	.72

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1959-60, 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE-SURFACE: October 1974 to current year.
CHLORIDE-25 FT DEPTH: December 1980 to September 1981.
CHLORIDE-45 FT DEPTH: December 1980 to September 1981.

COOPERATION.--Chloride samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 03720.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 20, 1978; minimum daily, 2.5°C Feb. 10, 11, 1978.
CHLORIDE-SURFACE: Maximum daily, 150 mg/L June 13, 14, 1977; minimum daily, 9.1 mg/L Apr. 15, 1976.
CHLORIDE-25 FT DEPTH: Maximum daily, 81 mg/L Mar. 8, 1981; minimum daily, 19 mg/L June 9, 1981.
CHLORIDE-45 FT DEPTH: Maximum daily, 110 mg/L Mar. 8, 1981; minimum daily, 20 mg/L June 3, 1981

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 29-31; minimum daily, 5.5°C Jan. 12, 13, 17, 18, 22-24.
CHLORIDE-SURFACE: Maximum daily, 70 mg/L Oct. 11; minimum daily, 25 mg/L many days during the year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 16...	1100	43000	417	7.2	22.5	10	25	<1.0	8.3	26	1.1	--
NOV 18...	1100	29000	475	7.6	15.5	15	30	<1.0	8.8	26	2.7	K180
DEC 16...	1000	42100	474	7.2	12.5	5	25	<1.0	10.7	29	1.5	--
JAN 28...	1330	11000	538	7.3	9.0	5	8.0	<1.0	11.2	34	2.3	<5
FEB 17...	1000	63600	420	7.1	6.0	20	50	<1.0	--	16	1.9	160
MAR 23...	1000	69700	340	7.1	12.0	15	40	<1.0	10.0	19	1.1	100
APR 21...	0900	52200	402	7.3	21.0	10	25	<1.0	10.0	10	1.5	K30
MAY 27...	1000	87800	372	7.3	22.0	15	100	<1.0	7.6	32	1.6	K2500
JUN 23...	1100	124000	376	6.1	28.0	20	75	<1.0	6.1	33	--	1600
JUL 14...	1000	96800	344	7.7	29.0	15	130	<1.0	5.9	52	1.8	--
AUG 11...	0930	77100	350	8.1	29.0	15	180	<1.0	6.6	67	--	K450
SEP 01...	1000	40000	482	7.3	28.5	5	20	<1.0	7.3	54	2.2	K130

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)
OCT 16...	K200	140	37	38	12	28	3.5	108	53	29	34	1.1
NOV 18...	K50	160	42	42	14	32	3.7	121	72	35	31	.89
DEC 16...	K50	160	57	37	15	36	3.4	99	71	45	38	.75
JAN 28...	<5	200	57	54	17	37	3.0	148	62	42	11	1.2
FEB 17...	K15	140	46	37	12	26	2.8	96	59	30	92	.99
MAR 23...	K40	120	44	33	9.4	18	2.9	77	46	23	92	1.7
APR 21...	K10	140	50	36	11	24	3.1	85	66	26	41	1.1
MAY 27...	100	120	39	31	11	25	2.7	84	45	30	290	1.7
JUN 23...	88	120	48	33	8.4	27	2.9	69	63	39	276	.94
JUL 14...	K150	120	32	32	9.1	22	3.1	85	48	28	105	1.3
AUG 11...	K55	120	26	32	9.5	19	3.6	93	44	20	348	1.1
SEP 01...	K15	160	39	43	13	27	4.0	122	55	33	46	1.6

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal ccunt).

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)
OCT 16...	.01	1.1	.58	.10	2	2	--	10	0	<1	0	0
NOV 18...	.00	.89	.87	.11	2	1	0	<1	1	<1	0	0
DEC 16...	.01	.76	.87	.12	1	1	0	<1	0	2	20	0
JAN 28...	.01	1.2	.85	.09	1	1	0	<1	0	<1	0	0
FEB 17...	.01	1.0	.29	.08	2	1	0	<1	1	<1	0	0
MAR 23...	.03	1.7	1.3	.18	1	0	0	0	1	<1	20	0
APR 21...	.01	1.1	.89	.12	1	1	0	<1	0	1	20	0
MAY 27...	.01	1.7	--	.41	--	2	0	0	2	0	20	0
JUN 23...	.01	.95	1.2	.14	2	2	0	<1	1	<1	30	0
JUL 14...	.03	1.3	1.9	.23	3	1	0	0	1	1	10	0
AUG 11...	.00	1.1	1.3	.40	4	2	0	<1	3	<1	20	0
SEP 01...	.03	1.6	.86	.21	3	2	0	<1	0	<1	10	0

DATE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)
OCT 16...	15	5	10	4	0	.0	.0	6	0	0	0	1.0
NOV 18...	12	6	20	6	2	.1	.0	9	1	0	0	6.0
DEC 16...	19	10	20	5	10	.1	.0	4	0	0	0	6.0
JAN 28...	8	4	20	12	0	.1	.0	4	1	0	0	.0
FEB 17...	13	4	20	5	1	.3	.1	5	3	0	0	.0
MAR 23...	13	4	40	7	0	.2	.2	6	3	0	0	3.0
APR 21...	14	6	10	6	1	.1	.0	3	5	0	0	1.0
MAY 27...	19	16	20	24	4	.4	1.0	9	2	0	0	.0
JUN 23...	16	8	50	23	3	.8	.2	12	2	0	0	1.0
JUL 14...	10	5	40	3	0	.2	.1	7	0	0	0	3.0
AUG 11...	54	4	14	9	1	.1	.0	13	2	1	0	1.0
SEP 01...	6	6	<10	4	0	.1	.0	2	4	0	0	3.0

< Actual value is known to be less than the value shown.

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
OCT 16...	30	3	13	.00	0	0	.0	.0	.000	.0	.000	.000
NOV 18...	30	9	6.4	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001
DEC 16...	370	70	6.6	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001
JAN 28...	20	10	8.1	.00	2	0	<.1	<.1	<.001	<.1	<.001	<.001
FEB 17...	40	10	9.2	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001
MAR 23...	40	10	7.7	.00	2	0	<.1	<.1	<.001	<.1	<.001	<.001
APR 21...	80	20	4.5	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001
MAY 27...	40	30	8.9	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001
JUN 23...	40	30	13	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001
JUL 14...	40	10	5.2	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001
AUG 11...	100	3	11	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001
SEP 01...	20	7	4.0	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001

DATE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)
OCT 16...	.000	.00	.017	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 18...	<.001	.02	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01
DEC 16...	<.001	.01	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01
JAN 28...	<.001	.02	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01
FEB 17...	.002	<.01	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01
MAR 23...	<.001	.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01
APR 21...	<.001	.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01
MAY 27...	.003	.01	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01
JUN 23...	<.001	<.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01
JUL 14...	<.001	.01	<.001	<.001	<.001	<.01	<.001	<.001	<.001	.09	<.01	<.01
AUG 11...	<.001	.30	.003	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01
SEP 01...	<.001	.01	.005	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01

< Actual value is known to be less than the value shown.

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 16...	.00	.00	.00	.00	.0	.00	.01	.00	.02	.00	3.43	.000
NOV 18...	<.01	<.01	<.01	<.01	<.1	<.01	.02	.00	.01	.00	1.82	.000
DEC 16...	<.01	<.01	<.01	<.01	<.1	<.01	.04	.00	.01	.00	8.32	1.14
JAN 28...	<.01	<.01	<.01	<.01	<.1	<.01	.02	<.01	.01	<.01	3.82	.260
FEB 17...	<.01	<.01	<.01	<.01	<.1	<.01	.05	<.01	<.01	<.01	5.80	.160
MAR 23...	<.01	<.01	<.01	<.01	<.1	<.01	.02	<.01	.01	<.01	2.79	.000
APR 21...	<.01	<.01	<.01	<.01	<.1	<.01	.05	<.01	.01	<.01	6.69	.000
MAY 27...	<.01	<.01	<.01	<.01	<.1	<.01	.05	.01	.01	<.10	4.59	.000
JUN 23...	<.01	<.01	<.01	<.01	<.1	<.01	.02	<.01	.01	<.01	--	--
JUL 14...	<.01	<.01	<.01	<.01	<.1	<.01	.04	<.01	.05	<.01	.460	.000
AUG 11...	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	.01	<.01	.930	.000
SEP 01...	<.01	<.01	<.01	<.01	<.1	<.01	<.01	<.01	.02	<.01	5.04	<.010

DATE	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
JAN 28...	65	1930	99
FEB 17...	239	41000	100
MAR 23...	215	40500	100
APR 21...	134	18900	100
MAY 27...	382	90600	98
JUN 23...	430	144000	91
JUL 14...	350	91500	98
AUG 11...	474	98700	99
SEP 01...	97	10500	99

< Actual value is known to be less than the value shown.

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	19.0	12.0	7.0	7.0	---	15.0	21.0	21.0	28.5	31.0	28.0
2	26.0	19.0	12.0	7.0	---	---	15.0	21.0	22.0	28.0	31.0	28.0
3	26.0	19.0	12.0	7.0	---	10.0	15.5	21.0	22.0	28.0	31.0	28.5
4	26.0	19.0	12.0	7.0	---	10.5	16.5	20.5	23.0	28.0	31.0	28.5
5	---	19.0	12.0	7.0	---	10.5	16.5	21.0	23.0	28.0	31.0	28.5
6	23.0	19.0	12.0	7.0	---	10.5	16.5	21.0	24.0	28.0	30.0	---
7	22.0	19.0	12.0	7.0	---	10.0	18.0	21.5	24.0	28.0	29.5	29.0
8	22.0	18.0	12.0	7.0	---	10.5	18.0	21.0	24.0	28.0	30.0	29.0
9	22.0	18.0	12.0	8.0	---	11.0	19.0	22.0	25.0	28.0	30.0	28.5
10	22.0	18.0	12.0	7.0	---	11.0	19.0	20.5	25.5	28.0	28.5	28.0
11	22.0	18.0	12.0	7.0	7.0	10.5	19.5	21.5	26.0	28.0	28.5	28.0
12	22.0	18.0	12.0	5.5	6.0	10.5	19.5	22.0	26.0	28.0	29.5	28.0
13	---	18.0	12.0	5.5	6.0	10.5	19.5	21.0	26.0	28.0	29.5	---
14	---	18.0	11.0	7.0	6.0	10.5	19.5	21.0	27.0	29.0	29.5	28.0
15	---	18.0	11.0	7.0	6.0	10.5	19.5	21.0	27.0	29.0	29.5	26.5
16	---	18.0	11.0	7.0	7.0	10.5	19.5	21.0	28.0	29.0	30.0	27.0
17	---	18.0	11.0	5.5	6.0	11.5	19.5	22.0	28.0	30.5	30.0	26.5
18	---	17.0	11.0	5.5	7.0	12.0	20.0	22.0	28.0	30.5	30.5	25.5
19	---	16.0	11.0	6.0	7.0	12.0	20.0	22.0	28.0	30.0	30.5	25.5
20	---	16.0	11.0	6.0	7.0	12.0	21.5	22.0	28.0	30.5	30.0	25.0
21	---	15.0	9.5	6.0	7.0	12.0	21.5	22.0	28.0	30.5	30.0	26.0
22	---	15.0	9.5	5.5	8.0	12.0	21.5	22.0	28.0	30.5	30.0	26.0
23	---	15.0	9.5	5.5	8.0	12.0	21.0	22.0	27.0	31.0	30.0	26.0
24	---	15.0	9.5	5.5	8.0	12.0	21.0	22.0	28.0	31.0	30.0	26.5
25	---	15.0	7.0	7.0	8.0	13.0	20.5	22.0	28.0	31.0	29.5	25.5
26	---	15.0	7.0	7.0	9.0	13.0	20.0	---	28.0	31.0	29.0	25.5
27	---	---	7.0	7.5	---	13.0	21.0	---	28.0	31.5	29.0	25.5
28	---	14.0	7.0	7.5	---	13.0	21.0	---	28.0	31.5	28.5	26.0
29	---	14.0	7.0	7.0	---	13.0	20.5	---	28.0	32.0	27.5	25.5
30	---	14.0	7.0	7.0	---	15.0	21.0	---	28.0	32.0	27.5	25.5
31	---	---	7.0	7.0	---	15.0	---	---	---	32.0	27.5	---
MAX	---	19.0	12.0	8.0	---	15.0	21.5	22.0	28.0	32.0	31.0	29.0
MIN	---	14.0	7.0	5.5	---	10.0	15.0	20.5	21.0	28.0	27.5	25.0

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SAMPLING DEPTH 5.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	35	60	25	---	---	---	29	29	31	34	39
2	30	30	40	30	---	---	---	---	26	28	26	34
3	30	45	40	30	---	---	36	27	25	30	25	59
4	40	35	35	30	---	36	31	25	30	30	28	44
5	45	30	35	35	---	---	32	25	26	31	32	44
6	40	35	35	35	---	32	33	30	26	34	34	---
7	50	50	35	40	---	---	31	---	30	32	36	46
8	45	35	35	40	---	---	33	32	26	30	34	49
9	55	40	35	---	---	---	39	37	34	34	---	44
10	60	30	30	---	---	30	---	30	26	28	46	43
11	70	35	50	---	44	34	---	31	26	28	---	42
12	60	35	35	30	38	30	39	28	30	34	---	40
13	40	40	40	35	39	34	---	---	36	31	46	---
14	40	35	---	35	41	32	33	---	34	30	50	44
15	35	40	35	40	30	---	---	---	37	35	46	39
16	---	35	40	35	40	---	32	27	34	33	44	41
17	25	30	45	35	34	---	---	---	39	37	41	44
18	25	35	40	45	36	---	34	37	29	32	---	46
19	---	35	---	45	42	---	34	---	30	---	46	44
20	30	30	---	40	36	---	27	46	31	31	47	48
21	25	40	45	45	41	25	30	---	31	31	49	42
22	25	30	---	40	60	27	---	---	39	31	45	42
23	30	---	30	---	---	27	26	---	41	31	45	42
24	25	45	25	45	46	---	40	---	44	40	46	46
25	30	45	---	---	44	---	---	---	41	30	42	46
26	25	50	25	---	46	31	28	---	38	29	41	44
27	35	---	40	---	---	30	30	---	34	39	42	---
28	35	45	30	---	---	30	26	---	31	30	41	46
29	45	45	---	---	---	---	30	---	30	34	36	---
30	40	40	---	---	---	31	31	---	32	36	26	44
31	30	---	30	---	---	30	---	---	---	36	---	---
MAX	70	50	60	45	---	36	40	---	44	40	50	59
MIN	25	30	25	25	---	25	26	---	25	28	25	34

07381590 WAX LAKE OUTLET AT CALUMET, LA--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SAMPLING DEPTH 25.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	30	---	---	32	---	20	28	34	36
2			---	30	---	---	32	---	24	28	28	42
3			---	30	---	36	---	---	22	34	26	40
4			---	35	---	36	30	26	25	28	31	36
5			---	35	---	34	34	26	29	30	28	37
6			---	---	---	30	34	34	25	28	30	---
7			---	---	---	33	30	35	22	28	34	40
8			---	---	---	81	---	32	30	34	28	44
9			---	---	---	80	40	36	19	28	68	42
10			---	35	---	36	42	32	24	32	36	44
11			---	35	58	34	43	29	23	27	---	44
12			---	---	36	---	48	26	30	31	44	40
13			---	---	37	---	42	---	39	30	40	---
14			45	35	38	---	35	---	32	32	---	42
15			---	---	40	28	---	28	36	51	44	43
16			---	---	40	28	34	---	40	30	46	42
17			45	35	34	26	28	31	35	32	35	41
18			40	45	36	28	35	35	37	29	44	---
19			45	45	46	---	36	---	30	30	---	40
20			55	40	38	---	28	41	30	30	45	42
21			45	45	40	30	---	42	34	28	32	41
22			40	45	71	25	27	32	35	29	44	40
23			35	45	48	27	26	38	35	31	40	44
24			40	50	51	28	46	33	38	32	44	49
25			30	45	---	29	26	---	35	26	48	42
26			35	---	---	30	27	---	36	26	43	42
27			---	---	---	29	28	---	35	28	40	39
28			40	---	---	28	26	---	31	22	44	40
29			30	---	---	---	---	---	28	30	36	45
30			45	---	---	---	30	---	28	36	40	---
31			30	---	---	---	---	---	---	30	---	---
MAX			---	---	---	81	48	42	40	51	68	49
MIN			---	---	---	25	26	26	19	22	26	36

SAMPLING DEPTH 45.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	50	---	---	30	29	---	26	30	36
2			---	30	---	---	33	28	24	28	25	40
3			---	---	---	38	34	25	20	28	30	69
4			---	---	---	34	30	34	21	28	29	50
5			---	35	---	32	36	31	25	---	27	42
6			---	35	---	31	34	36	35	28	28	---
7			---	40	---	31	30	33	28	29	32	41
8			---	40	---	110	32	33	---	26	36	52
9			---	35	---	---	---	---	---	30	---	40
10			---	35	---	34	43	35	22	30	41	44
11			---	35	---	32	40	36	24	---	---	40
12			---	30	58	31	44	27	28	29	37	41
13			---	35	36	32	44	---	31	33	40	---
14			45	35	44	32	34	29	35	40	72	40
15			40	45	37	30	---	28	41	36	45	42
16			45	40	46	28	34	27	40	28	43	44
17			35	40	32	---	31	33	32	31	34	49
18			45	---	40	26	34	35	33	33	35	44
19			45	---	46	---	---	36	32	31	---	46
20			55	40	39	---	28	40	34	34	---	48
21			35	45	60	28	29	41	32	27	45	42
22			35	---	74	26	28	36	35	28	---	42
23			35	45	50	---	26	---	38	34	40	40
24			---	55	48	---	36	---	40	35	56	44
25			35	45	46	28	30	32	36	28	46	47
26			---	---	40	30	36	---	36	32	52	42
27			40	---	---	28	28	---	34	26	43	47
28			---	---	---	34	32	---	31	42	42	45
29			30	---	---	30	30	---	29	30	30	40
30			30	---	---	31	30	---	31	30	35	41
31			30	---	---	32	---	---	---	45	---	---
MAX			---	55	---	110	44	41	41	45	72	69
MIN			---	30	---	26	26	25	20	26	25	36

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA
(National stream-quality accounting network station)

LOCATION.--Lat 29°41'47", long 91°12'39", on line between lots 1 and 6, St Mary Parish, Hydrologic Unit 08080101, near center of span on downstream side of Southern Pacific Transportation Co. railroad bridge at Morgan City, 0.3 mi (0.5 km) downstream from U.S. Highway 90, 0.3 mi (0.5 km) upstream from Bayou Boeuf, and 1.0 mi (1.6 km) southwest of Morgan City High School.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1973 to September 1975 (discharge measurements only), October 1976 to current year (elevations and discharge measurements only). Gage heights, 1905 to December 1975 and discharge, intermittently, 1927 to December 1975 (collected in same vicinity) are in reports of Corps of Engineers, New Orleans district, and National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Discharge and elevation affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 6.71 ft (2.045 m) May 4, 1979; minimum, -0.94 ft (-0.286 m) Nov. 29, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.84 ft (1.170 m) June 15; minimum not determined.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)
Oct. 16, 1980......	88,400	Mar. 9............	146,000	June 23.............	186,000
Nov. 10............	82,500	Mar. 23............	112,000	July 14.............	149,500
Nov. 18............	62,200	Apr. 7............	91,100	July 28.............	106,200
Dec. 2............	49,400	Apr. 21............	88,600	Aug. 4.............	123,000
Dec. 16............	71,200	May 12............	65,500	Aug. 11.............	121,100
Jan. 6, 1981......	66,400	May 27............	102,000	Sept. 1.............	88,400
Jan. 28............	33,600	June 9............	170,000	Sept. 15.............	108,600
Feb. 15............	100,000				

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.39	.76	.82	.29	1.50	---	1.41	1.90	3.05	3.74	2.30	2.29
2	1.79	.94	1.03	.13	1.48	1.00	.93	1.63	3.29	3.77	2.27	2.40
3	.88	1.01	.24	.17	2.52	1.10	1.31	2.59	3.20	3.59	2.23	2.10
4	1.34	.79	.80	.36	.38	1.90	2.19	2.90	2.99	3.48	2.29	2.09
5	1.33	.47	.74	.11	1.26	1.90	1.53	3.22	3.08	3.49	2.01	1.55
6	.98	.77	.93	.69	1.28	1.50	1.79	2.75	3.20	3.41	1.91	1.83
7	1.35	.88	1.17	.30	1.20	1.50	1.98	2.52	2.98	3.27	1.99	1.79
8	1.54	1.20	1.42	.63	1.86	1.60	2.28	2.15	2.89	3.22	2.09	1.93
9	1.52	1.30	1.51	1.21	1.67	1.70	1.56	2.21	2.88	2.94	1.99	1.39
10	1.49	1.04	.86	.84	2.70	1.60	1.11	2.21	3.29	2.78	2.14	2.22
11	1.48	1.23	.68	.25	.70	1.50	1.19	1.30	3.49	2.75	2.35	2.36
12	.84	1.07	1.18	.02	-.20	1.40	1.20	1.51	3.60	2.93	2.37	2.22
13	.89	2.03	1.05	.18	.40	1.40	1.25	1.85	3.68	2.92	2.44	2.22
14	1.35	2.36	.71	.13	.60	1.40	1.34	2.16	3.74	2.90	2.34	2.31
15	1.44	1.93	.87	.13	.60	1.10	1.19	1.51	3.81	2.74	2.45	2.39
16	1.94	1.30	.97	.11	1.10	1.70	1.31	2.31	3.76	2.86	2.32	1.77
17	2.20	2.75	.33	-.01	1.20	1.50	1.67	2.79	3.50	2.73	2.26	1.04
18	2.05	.54	.80	1.11	1.41	1.20	1.90	2.81	3.42	2.84	1.95	.88
19	2.32	.43	1.10	1.00	1.32	1.20	2.15	2.90	3.46	2.52	1.76	1.17
20	.39	.34	.52	1.38	1.15	1.10	2.29	1.62	3.53	2.52	1.52	1.65
21	1.11	.14	.76	1.40	1.20	1.10	1.90	2.14	3.59	2.20	1.42	1.70
22	1.09	.68	1.12	1.32	1.45	1.20	2.23	2.02	3.47	1.96	1.67	1.75
23	1.27	1.71	1.51	.98	.70	.70	1.93	2.06	3.27	1.79	2.07	1.55
24	1.20	1.00	1.67	1.69	.81	1.11	1.20	1.91	3.28	1.79	2.37	1.40
25	.11	1.03	.25	1.24	.70	.95	1.65	1.91	3.31	2.49	2.30	1.29
26	1.20	.29	1.31	.89	.60	.78	1.61	2.33	3.29	2.49	2.46	1.51
27	1.87	.69	.87	1.49	.60	.96	1.59	1.96	3.29	2.66	2.84	1.41
28	1.93	.97	.57	1.21	.80	.93	1.63	2.09	3.33	2.50	2.80	1.42
29	.51	.77	.36	.75	---	1.51	1.71	2.45	3.42	2.48	2.58	1.47
30	.82	.64	.14	1.20	---	1.85	1.73	2.78	3.51	2.74	2.83	1.53
31	.49	---	.15	2.04	---	1.21	---	2.85	---	2.50	2.77	---
MEAN	1.29	1.04	.85	.75	1.11	---	1.63	2.24	3.35	2.81	2.23	1.75
MAX	2.32	2.75	1.67	2.04	2.70	1.90	2.29	3.22	3.81	3.77	2.84	2.40
MIN	.11	.14	.14	-.01	-.20	.70	.93	1.30	2.88	1.79	1.42	.88

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959-60, 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1978 to September 1981 (discontiuned).
WATER TEMPERATURES: October 1976 to current year.
CHLORIDE-SURFACE: October 1974 to current year.
CHLORIDE-25 FT DEPTH: October 1980 to current year.
CHLORIDE-45 FT DEPTH: October 1980 to current year.

COOPERATION.--Chloride samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 03780.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 622 micromhos Jan. 21, 1981; minimum daily, 179 micromhos Feb. 23, 1979.
WATER TEMPERATURES: Maximum daily, 32.0°C July 28, 1977; minimum daily, 4.0°C Jan. 2-9, 10, 11, 1978.
CHLORIDE-SURFACE: Maximum daily, 160 mg/L June 14, 15, 16, 1977; minimum daily, 11 mg/L Jan. 6, May 11, 1976.
CHLORIDE-25 FT DEPTH: Maximum daily, 70 mg/L Feb. 8, 1981; minimum daily, 22 mg/L June 2, 1981.
CHLORIDE-45 FT DEPTH: Maximum daily, 70 mg/L Feb. 8, 25, 1981; minimum daily, 24 mg/L May 12, 15, 31, June 2, July 28, 1981.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 622 micromhos Jan. 21; minimum daily, 306 micromhos June 11.
WATER TEMPERATURES: Maximum daily, 30.5°C July 28, 29; minimum daily, 7.0°C several days in January and February.
CHLORIDE-SURFACE: Maximum daily, 75 mg/L Oct. 29; minimum daily, 20 mg/L Dec. 31.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT												
16...	1400	88400	414	7.4	23.0	5	10	<1.0	8.1	35	.8	K75
NOV												
18...	1300	62200	496	7.6	15.0	10	40	<1.0	8.6	26	.5	--
DEC												
16...	1500	71200	492	7.3	13.0	5	25	<1.0	10.2	25	1.4	--
JAN												
28...	1030	33600	576	7.5	7.5	5	4.7	<1.0	11.1	17	2.0	K10
FEB												
17...	1400	100000	443	7.0	7.0	20	45	<1.0	--	36	1.7	140
MAR												
23...	1400	112000	348	6.9	12.5	10	66	<1.0	9.8	36	.8	K140
APR												
21...	1300	88600	399	7.2	19.0	10	15	<1.0	10.1	13	1.8	K35
MAY												
27...	1400	102000	372	7.2	22.0	15	100	<1.0	8.2	29	2.9	--
JUN												
23...	1500	186000	362	6.9	28.5	15	70	<1.0	6.4	31	.5	--
JUL												
14...	1245	150000	342	7.6	30.0	10	380	<1.0	5.9	49	1.6	--
AUG												
11...	1200	121000	347	7.9	29.0	15	100	<1.0	6.5	57	.0	--
SEP												
01...	1400	88400	459	7.9	28.5	5	48	<1.0	--	65	2.3	--

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
OCT 16...	--	--	140	33	37	12	28	3.5	109	51	29	.2
NOV 18...	--	680	160	41	42	14	33	3.9	122	67	38	--
DEC 16...	--	K60	150	55	40	13	36	3.4	98	70	43	--
JAN 28...	<5	<5	190	48	50	16	41	3.1	143	64	54	.2
FEB 17...	--	130	140	44	38	12	29	2.9	100	61	38	--
MAR 23...	--	K49	120	35	32	9.5	20	2.9	84	46	25	.1
APR 21...	K5	K5	140	51	36	11	23	2.9	84	64	27	--
MAY 27...	--	2000	130	49	35	11	24	2.8	84	59	28	.2
JUN 23...	--	1400	120	55	36	8.4	26	2.8	69	49	40	--
JUL 14...	--	2000	120	44	32	9.3	22	3.3	77	48	31	.1
AUG 11...	--	6800	120	29	33	9.6	20	3.8	93	43	24	--
SEP 01...	--	440	170	46	44	14	28	3.7	120	51	32	.1

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC DIS. (MG/L AS N)
OCT 16...	7.4	241	234	70	1.2	1.0	.26	.00	.84	.64	1.1	.64
NOV 18...	--	--	--	86	.83	--	--	--	--	--	--	2.8
DEC 16...	--	--	--	40	.72	--	--	--	--	--	--	.88
JAN 28...	6.7	324	322	12	1.2	1.3	.10	.14	1.3	.86	1.4	1.0
FEB 17...	--	--	--	84	.85	--	--	--	--	--	--	.31
MAR 23...	6.0	198	193	107	1.6	1.5	--	.15	--	1.1	1.5	1.2
APR 21...	--	--	--	29	1.1	--	--	--	--	--	--	.96
MAY 27...	5.3	215	217	136	3.1	1.6	.09	.11	1.1	.64	1.2	.75
JUN 23...	--	--	--	190	.86	--	--	--	--	--	--	1.0
JUL 14...	7.9	201	201	310	1.4	1.4	.12	.13	1.2	.68	1.3	.81
AUG 11...	--	--	--	242	1.1	--	--	--	--	--	--	1.2
SEP 01...	7.7	272	255	74	1.6	1.6	--	.53	--	.19	.93	.72

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K Results based on colony count outside the acceptable range (non-ideal count).

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)
OCT 16...	.77	.26	2	2	100	80	--	10	0	<1	0	0
NOV 18...	.20	--	2	1	--	--	0	<1	1	<1	0	--
DEC 16...	.11	--	1	1	--	--	0	<1	1	1	0	--
JAN 28...	.46	.07	--	--	--	--	0	<1	--	--	--	--
FEB 17...	.08	--	2	1	--	--	0	<1	1	<1	10	--
MAR 23...	.20	.06	1	0	100	60	0	<1	0	<1	20	10
APR 21...	.11	--	1	1	--	--	0	<1	0	<1	10	--
MAY 27...	.38	.14	6	0	100	100	0	0	1	1	10	10
JUN 23...	.28	--	2	2	--	--	0	<1	0	<1	30	--
JUL 14...	.31	.06	3	1	100	100	0	0	1	1	20	0
AUG 11...	.30	--	4	2	--	--	0	<1	0	<1	10	--
SEP 01...	.18	.11	--	--	--	--	0	<1	--	--	--	--

DATE	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)
OCT 16...	0	1	<3	14	8	1700	20	2	0	80	3	.0
NOV 18...	0	--	--	16	8	--	20	8	0	--	--	.1
DEC 16...	0	--	--	12	6	--	20	5	3	--	--	.1
JAN 28...	0	--	--	--	--	--	--	--	--	--	--	--
FEB 17...	0	--	--	12	4	--	30	6	0	--	--	.2
MAR 23...	0	1	<3	5	6	3100	50	4	1	160	10	.3
APR 21...	0	--	--	12	5	--	10	6	3	--	--	.1
MAY 27...	0	2	1	15	11	5000	50	17	3	160	0	.5
JUN 23...	0	--	--	13	5	--	50	23	2	--	--	.3
JUL 14...	0	3	0	17	3	8100	20	5	1	360	0	.3
AUG 11...	0	--	--	19	5	--	12	15	2	--	--	.1
SEP 01...	0	--	--	--	--	--	--	--	--	--	--	--

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07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)
OCT 16...	.2	5	0	0	0	1	0	.0	40	20	--	4.9
NOV 18...	.0	9	3	0	0	--	--	6.0	30	10	12	--
DEC 16...	.0	2	3	0	0	--	--	1.0	40	20	7.3	--
JAN 28...	--	--	--	--	--	--	--	1.0	--	--	9.3	--
FEB 17...	.1	6	1	0	0	--	--	2.0	30	8	12	--
MAR 23...	.1	8	1	0	0	2	1	1.0	70	10	23	8.7
APR 21...	.0	2	5	0	1	--	--	1.0	20	5	4.6	--
MAY 27...	.4	8	3	0	0	0	0	1.0	50	30	--	15
JUN 23...	.1	11	3	0	0	--	--	.0	80	60	8.5	--
JUL 14...	.3	8	2	0	0	0	0	2.0	50	10	--	5.3
AUG 11...	.1	13	2	1	0	--	--	1.0	50	11	11	--
SEP 01...	--	--	--	--	--	--	--	2.0	--	--	4.6	--

DATE	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 16...	.8	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 18...	--	.00	2	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.02
DEC 16...	--	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 28...	--	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.03
FEB 17...	--	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
MAR 23...	1.2	.00	6	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
APR 21...	--	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
MAY 27...	5.7	.00	0	1	<.1	<.1	<.001	<.1	<.001	<.001	.005	.01
JUN 23...	--	.00	1	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.00
JUL 14...	.1	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
AUG 11...	--	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.11
SEP 01...	--	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

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07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 16...	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
NOV 18...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01
DEC 16...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01
JAN 28...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01
FEB 17...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01
MAR 23...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01
APR 21...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01
MAY 27...	.005	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01
JUN 23...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01
JUL 14...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	.08	<.01	<.01	<.01	<.01
AUG 11...	.003	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01
SEP 01...	.003	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01	<.01

DATE	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)
OCT 16...	.00	.00	.0	.00	.01	.00	.02
NOV 18...	<.01	<.01	<.1	<.01	.05	.00	.01
DEC 16...	<.01	<.01	<.1	<.01	.07	.00	.01
JAN 28...	<.01	<.01	<.1	<.01	.02	<.01	<.01
FEB 17...	<.01	<.01	<.1	<.01	.04	<.01	<.01
MAR 23...	<.01	<.01	<.1	<.01	.03	<.01	<.01
APR 21...	<.01	<.01	<.1	<.01	.05	<.01	<.01
MAY 27...	<.01	<.01	<.1	<.01	.05	<.01	.01
JUN 23...	<.01	<.01	<.1	<.01	.21	<.01	<.01
JUL 14...	<.01	<.01	<.1	<.01	.08	<.01	.04
AUG 11...	<.01	<.01	<.1	<.01	<.01	<.01	.01
SEP 01...	<.01	<.01	<.1	<.01	.01	<.01	.01

< Actual value is known to be less than the value shown.

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SILVEX, TOTAL (UG/L)	PHYTO-PLANK-TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT							
16...	.00	1500	4.36	.000	--	--	--
NOV							
18...	.00	--	.980	.000	--	--	--
DEC							
16...	.00	--	7.66	.850	148	28500	99
JAN							
28...	<.01	--	4.47	.410	90	8170	100
FEB							
17...	<.01	--	8.26	.130	209	56400	99
MAR							
23...	<.01	2000	.000	.000	172	52000	99
APR							
21...	<.01	--	8.25	.000	105	25100	100
MAY							
27...	<.01	2500	.830	.000	334	92000	100
JUN							
23...	<.01	--	2.22	.000	457	230000	92
JUL							
14...	<.01	2100	.790	.000	376	152000	98
AUG							
11...	<.01	--	1.85	.000	471	154000	100
SEP							
01...	<.01	--	3.48	<.010	159	38000	99

DATE	TIME	SAMP-LING DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
MAR						
23...	1400	2.0	348	6.9	12.5	9.8
23...	1405	20	345	6.8	12.5	9.8
23...	1410	45	344	6.9	12.0	9.7
MAY						
27...	1400	2.0	372	7.2	22.0	8.2
27...	1405	40	372	7.3	22.0	8.2

< Actual value is known to be less than the value shown.

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	443	---	450	---	554	---	390	412	324	329	399	464
2	459	448	430	395	558	---	396	405	317	343	399	466
3	472	437	439	427	611	---	390	397	321	334	429	518
4	513	480	410	427	581	---	360	393	318	354	409	523
5	---	430	---	406	580	---	---	387	329	342	384	493
6	510	452	---	444	564	---	379	391	323	349	388	512
7	495	473	421	432	604	---	374	398	323	336	393	504
8	489	514	410	441	593	---	374	395	333	335	---	492
9	500	464	409	455	563	---	382	370	314	335	368	492
10	525	486	461	435	509	---	403	372	327	328	357	489
11	---	466	468	474	504	---	---	377	306	332	346	488
12	501	459	452	522	520	---	407	387	315	332	348	---
13	454	465	484	453	495	---	---	394	349	343	357	565
14	423	466	498	468	---	---	401	388	367	342	372	494
15	422	537	476	487	466	---	389	387	364	359	378	491
16	419	495	469	509	476	---	377	407	372	365	369	499
17	438	500	496	521	433	---	364	416	362	385	364	511
18	465	491	491	520	---	---	384	434	345	366	383	504
19	451	484	494	515	427	---	397	454	334	372	393	---
20	489	472	450	526	433	---	401	426	349	362	416	---
21	483	522	450	622	440	---	404	428	349	352	429	483
22	470	---	439	578	440	---	398	407	356	343	434	481
23	439	520	434	538	452	---	392	---	365	326	458	490
24	434	502	423	539	---	349	393	380	362	329	487	495
25	---	510	---	540	---	353	---	376	344	334	459	504
26	429	541	413	541	436	356	409	388	343	346	483	---
27	425	480	427	550	419	361	419	378	342	359	442	---
28	469	483	404	---	---	365	428	379	330	377	443	504
29	500	493	389	566	---	367	428	385	330	382	444	516
30	478	464	423	580	---	371	425	359	340	386	444	517
31	482	---	417	591	---	380	---	332	---	---	448	---
MAX	525	541	498	622	611	---	428	454	372	386	487	565
MIN	419	430	389	395	419	---	360	332	306	326	346	464

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	---	12.0	---	9.0	---	16.0	21.0	22.0	27.5	30.0	27.5
2	26.5	19.0	12.0	8.5	8.5	---	16.0	21.5	22.0	27.0	30.0	25.5
3	26.0	---	12.0	8.5	7.5	---	16.5	21.5	22.5	26.5	29.5	28.0
4	25.0	---	12.0	9.0	7.5	---	18.0	20.0	22.0	26.0	29.5	25.5
5	---	18.0	---	---	8.0	---	---	21.0	23.0	26.0	29.5	27.5
6	23.0	17.0	---	8.5	---	---	18.0	21.0	24.0	26.0	29.5	26.0
7	23.0	18.0	13.5	8.0	8.5	---	18.0	21.0	25.0	27.0	29.0	27.5
8	22.5	17.0	13.0	8.0	10.0	---	19.0	21.0	24.5	27.0	---	28.0
9	22.5	---	13.5	8.0	9.5	---	19.0	21.0	25.0	27.5	29.5	27.5
10	22.5	17.5	13.0	8.0	10.5	---	19.5	21.0	25.0	27.5	29.0	27.5
11	---	17.0	11.0	8.0	---	---	---	21.0	25.0	27.0	28.5	27.0
12	22.0	17.0	11.0	7.5	7.0	---	19.5	21.0	26.0	27.0	28.5	---
13	21.5	17.0	11.5	7.0	7.0	---	---	21.0	27.0	27.0	28.0	27.0
14	21.5	17.0	12.0	7.0	---	---	20.0	22.0	27.0	27.5	29.0	24.0
15	21.5	17.0	12.0	8.0	7.0	---	20.0	---	27.0	28.0	29.0	27.0
16	21.5	17.0	11.5	7.5	7.5	---	20.0	22.0	27.0	28.5	29.0	27.0
17	22.0	17.0	11.5	7.0	7.5	---	20.0	22.5	27.0	29.0	29.5	27.0
18	23.0	16.5	---	7.0	---	---	21.5	22.5	27.0	29.5	29.5	25.0
19	22.0	16.0	12.0	7.0	7.0	---	21.5	22.5	27.0	29.5	29.5	---
20	21.0	15.0	11.0	7.0	8.5	---	20.5	21.5	28.0	29.5	29.5	---
21	20.5	15.0	11.0	7.0	8.5	---	21.5	21.5	28.0	29.5	29.0	24.5
22	20.5	---	10.5	7.0	8.5	---	22.0	22.0	28.0	30.0	29.0	25.0
23	21.0	15.0	10.5	7.0	9.0	---	22.0	---	28.0	30.0	29.0	25.0
24	21.0	14.5	11.0	7.5	---	12.0	21.5	21.5	28.0	30.0	28.5	25.0
25	---	14.5	---	7.5	---	12.5	---	21.5	27.0	30.0	28.0	25.5
26	20.0	14.0	8.0	7.5	10.0	13.5	21.0	22.5	27.0	30.0	28.0	---
27	20.5	14.5	---	7.5	10.0	13.5	20.0	22.0	27.0	30.0	---	---
28	20.5	13.0	9.0	---	---	14.0	20.0	22.0	27.0	30.5	28.5	25.0
29	19.5	12.0	9.0	7.5	---	14.5	20.0	22.0	27.0	30.5	27.5	25.0
30	19.0	12.0	9.0	8.0	---	15.0	21.0	22.0	27.0	30.0	27.0	25.0
31	19.0	---	8.5	---	---	15.5	---	21.0	---	---	27.5	---
MAX	27.0	19.0	13.5	9.0	10.5	---	22.0	22.5	28.0	30.5	30.0	28.0
MIN	19.0	12.0	8.0	7.0	7.0	---	16.0	20.0	22.0	26.0	27.0	24.0

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SAMPLING DEPTH 5.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	40	40	---	---	39	---	30	30	26	---	38
2	30	35	40	35	66	38	37	---	34	30	---	36
3	---	30	40	---	63	---	35	30	24	32	28	---
4	45	35	---	45	50	38	34	28	---	30	28	44
5	---	30	---	---	50	36	---	---	28	31	34	---
6	50	35	---	38	50	35	35	31	---	32	35	---
7	45	40	35	39	64	34	---	28	30	28	36	40
8	46	35	35	44	68	62	37	28	28	30	32	34
9	53	40	40	49	---	36	41	---	28	32	36	40
10	59	40	40	36	---	---	---	---	22	30	---	41
11	45	30	40	44	55	---	---	28	26	30	---	39
12	55	35	40	60	62	33	42	26	32	31	---	---
13	40	35	---	---	54	34	---	32	36	26	---	---
14	36	40	45	---	---	---	---	28	38	31	---	40
15	34	40	45	---	---	30	34	---	42	---	32	45
16	35	45	---	---	42	---	38	---	40	34	30	38
17	36	35	---	---	40	---	39	---	41	31	28	48
18	34	35	---	---	---	---	36	38	36	32	28	49
19	34	35	---	---	48	---	31	40	34	34	34	---
20	50	35	---	---	---	---	32	---	---	31	36	---
21	40	35	---	---	---	---	---	40	34	31	36	42
22	44	---	---	---	---	---	32	41	36	28	33	37
23	32	50	---	---	---	---	27	---	39	27	36	46
24	32	45	---	---	---	---	26	30	36	26	38	51
25	---	55	---	---	56	---	---	31	36	28	32	42
26	---	55	30	---	60	36	26	31	41	30	35	---
27	36	40	35	---	60	---	26	30	32	28	36	---
28	34	45	35	---	---	30	---	---	---	26	34	40
29	75	45	30	---	---	---	30	---	29	30	---	43
30	35	45	40	---	---	32	34	29	29	40	34	44
31	30	---	20	---	---	---	---	24	---	29	---	---
MAX	75	55	---	---	---	---	42	41	42	40	38	51
MIN	30	30	---	---	---	---	26	24	22	26	28	34

SAMPLING DEPTH 25.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	---	---	41	34	32	28	32	---	38
2			---	---	67	---	36	30	22	28	---	37
3			40	---	63	41	35	27	25	32	28	---
4			---	---	48	36	35	26	25	34	33	41
5			---	40	50	38	---	30	27	33	30	---
6			---	42	52	38	35	30	---	29	35	---
7			40	36	62	32	34	31	30	30	36	43
8			35	41	70	68	38	28	32	28	---	41
9			---	50	65	34	42	---	35	30	34	41
10			45	36	46	32	45	26	24	27	---	---
11			---	---	56	33	---	27	27	28	---	42
12			---	---	---	---	44	---	30	30	---	---
13			40	---	52	---	---	30	38	30	---	---
14			45	---	---	---	---	30	40	32	---	40
15			45	---	42	32	---	26	40	32	33	---
16			---	---	44	---	---	29	40	32	30	40
17			---	---	---	---	44	34	40	38	29	50
18			---	---	---	---	35	---	38	31	31	52
19			---	---	---	---	---	---	32	32	33	---
20			---	---	---	---	32	---	---	32	40	---
21			---	---	---	---	28	38	40	28	38	46
22			---	---	---	---	30	42	37	28	33	36
23			---	---	---	---	30	---	40	26	---	45
24			30	---	---	---	29	35	42	28	40	46
25			---	---	---	---	---	34	35	25	35	50
26			30	---	---	45	28	---	34	27	38	---
27			---	---	---	34	---	33	34	26	36	---
28			35	---	---	---	28	30	---	28	32	38
29			30	---	---	30	29	31	32	26	---	49
30			40	---	---	32	28	31	28	---	36	47
31			35	---	---	32	---	---	---	34	---	---
MAX			---	---	---	---	45	42	42	38	40	52
MIN			---	---	---	---	28	26	22	25	28	36

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
SAMPLING DEPTH 45.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	---	---	---	35	---	26	29	---	36
2			---	35	62	---	---	29	24	30	---	39
3			40	---	64	40	36	---	26	32	25	---
4			30	45	54	36	36	28	25	30	38	42
5			---	45	56	37	---	30	30	35	32	---
6			---	40	50	---	36	---	---	34	35	---
7			40	46	64	36	32	30	28	25	34	43
8			---	56	70	---	37	---	30	28	---	37
9			40	46	62	36	43	---	30	34	---	42
10			40	39	50	34	44	30	28	33	---	42
11			40	46	58	32	---	28	28	26	---	40
12			---	60	62	36	44	24	34	30	---	---
13			45	---	58	35	---	31	34	30	---	---
14			50	---	---	---	---	28	39	32	---	41
15			45	---	42	---	34	24	40	34	29	44
16			---	---	44	---	40	28	39	33	28	40
17			---	---	42	---	---	35	40	30	29	54
18			---	---	---	---	38	49	34	34	27	48
19			---	---	---	---	30	40	36	30	33	---
20			---	---	---	---	---	40	---	30	40	---
21			---	---	---	---	32	44	36	34	38	40
22			---	---	---	---	30	---	36	28	34	40
23			---	---	---	---	28	---	39	---	---	46
24			30	---	---	---	26	35	42	30	40	45
25			---	---	70	---	---	---	28	26	33	42
26			35	---	---	40	25	38	34	25	32	---
27			35	---	---	32	25	36	35	30	33	---
28			---	---	---	30	30	30	---	24	34	42
29			30	---	---	31	34	29	42	28	---	40
30			45	---	---	30	34	---	28	---	34	46
31			35	---	---	35	---	24	---	26	---	---
MAX			---	---	---	---	44	49	42	35	---	54
MIN			---	---	---	---	25	24	24	24	--	36

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO JULY 1981

DATE	OCT 16,80		MAR 23,81		MAY 27,81		JUL 14,81	
TIME	1400		1400		1400		1245	
TOTAL CELLS/ML	1500		2000		2500		2100	
DIVERSITY: DIVISION	1.7		1.7		1.6		1.4	
.CLASS	1.7		1.7		1.6		1.4	
..ORDER	2.0		2.5		1.8		1.9	
...FAMILY	2.2		3.1		2.1		2.5	
....GENUS	2.6		4.0		3.1		3.5	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...MICRACTINIACEAE								
....MICRACTINIUM	--	-	41	2	--	-	--	-
...OOCYSTACEAE								
....ANKISTRODESMUS	13	1	55	3	28	1	42	2
....CHODATELLA	--	-	27	1	--	-	--	-
....DICTYOSPHAERIUM	--	-	55	3	130	5	--	-
....KIRCHNERIELLA	--	-	69	3	--	-	--	-
....OOCYSTIS	--	-	55	3	130	5	310	15
....QUADRIGULA	--	-	--	-	--	-	56	3
....RADIOCOCCUS	--	-	--	-	--	-	110	5
....SELENASTRUM	52	3	--	-	--	-	--	-
....TETRAEDRON	13	1	--	-	--	-	--	-
....TREUBARIA	--	-	14	1	--	-	--	-
...SCENEDESMACEAE								
....CRUCIGENIA	--	-	--	-	--	-	220	11
....SCENEDESMUS	310#	21	--	-	450#	18	200	9
....TETRASTRUM	--	-	55	3	--	-	--	-
..TETRASPORALES								
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	-	--	-	--	-	56	3

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO JULY 1981

DATE	OCT 16,80		MAR 23,81		MAY 27,81		JUL 14,81	
TIME	1400		1400		1400		1245	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE) (CONTINUED)								
.CHLOROPHYCEAE (CONTINUED)								
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	96	5	--	-	28	1
...PHACOTACEAE								
....PTEROMONAS	--	-	14	1	--	-	--	-
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....COSCINODISCUS	--	-	14	1	42	2	42	2
....CYCLOTELLA	90	6	220	11	270	10	240	11
....MELOSIRA	540#	37	360#	18	700#	27	410#	20
....STEPHANODISCUS	13	1	14	1	28	1	--	-
..PENNALES								
...CYMBELLACEAE								
....CYMBELLA	--	-	14	1	--	-	--	-
....RHOPALODIA	--	-	14	1	--	-	--	-
...DIATOMACEAE								
....DIATOMA	--	-	14	1	--	-	--	-
...FRAGILARIACEAE								
....ASTERIONELLA	--	-	27	1	--	-	--	-
....SYNEDRA	13	1	69	3	28	1	--	-
...GOMPHONEMATACEAE								
....GOMPHONEMA	--	-	14	1	--	-	--	-
...NAVICULACEAE								
....NAVICULA	--	-	55	3	14	1	14	1
...NITZSCHIACEAE								
....NITZSCHIA	13	1	180	9	42	2	130	6
...SURIRELLACEAE								
....SURIRELLA	--	-	14	1	14	1	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
.CRYPTOPHYCEAE								
..CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	13	1	--	-	--	-	--	-
...CRYPTOMONADACEAE								
....CRYPTOMONAS	13	1	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROOCOCCALES								
...CHROOCOCCACEAE								
....ANACYSTIS	77	5	55	3	--	-	--	-
..HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	420#	16	--	-
....APHANIZOMENON	--	-	--	-	98	4	140	7
....CYLINDROSPERMUM	--	-	--	-	140	5	--	-
...OSCILLATORIACEAE								
....OSCILLATORIA	310#	21	320#	16	--	-	70	3
....SPIRULINA	--	-	14	1	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	13	1	14	1	--	-	--	-
....TRACHELOMONAS	--	-	82	4	28	1	14	1

NOTE: # - DOMINANT ORGANISM: EQUAL TO OR GREATER THAN 15%

295500091100000 LAKE VERRET NEAR PIERRE PART, LA

LOCATION.--Lat 29°55'00", long 91°10'00", in T.13 S., R.13 E., Assumption Parish, Hydrologic Unit 08090302, 1.25 mi (2.0 km) northwest of landing at State Highway 1016-1, 4.3 mi (6.9 km) southeast of Pierre Part.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water year 1975, 1979 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV 06...	1100	394	8.5	19.0	15	15	16.4	8.1	<10
JAN 08...	1700	381	7.9	11.5	15	20	11.8	6.3	K20
APR 01...	1300	359	7.8	22.5	10	20	9.2	4.4	--
JUL 14...	1030	303	8.6	32.0	50	9.0	9.0	4.5	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
NOV 06...	--	120	23	33	10	28	4.1	101	41
JAN 08...	<4	120	29	31	9.9	26	3.6	89	44
APR 01...	K50	110	32	31	9.0	23	3.3	82	38
JUL 14...	1600	110	14	28	8.7	19	3.2	92	29

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
NOV 06...	33	.2	5.9	225	216	.00	2.1	.45
JAN 08...	33	.2	5.4	210	206	.26	1.4	.12
APR 01...	34	.1	2.5	197	190	.00	1.3	.12
JUL 14...	26	.1	7.7	181	177	.03	1.7	.28

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295500091100000 LAKE VERRET NEAR PIERRE PART, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV											
06...	1	7	<1	1	10	0	3	14	10	8200	3

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB TOTAL (UG/L)
NOV											
06...	20	2	260	.1	.06	<3	41	14	.00	6	<.1

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV											
06...	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV										
06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV										
06...	<.01	<.10	<.1	<1	<.01	<.1	.38	.02	.00	.07

< Actual value is known to be less than the value shown.

295030091055600 LAKE VERRET NEAR GEORGIA, LA

LOCATION.--Lat 29°50'30", long 91°05'56", in T.14 S., R.13 E., Assumption Parish, Hydrologic Unit 08090302, 0.6 mi (1.0 km) from landing at State Highway 401 and 6.7 mi (10.8 km) east of Georgia.

DRAINAGE AREA--Not determined.

PERIOD OF RECORD.--Water years 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV									
06...	1130	386	8.7	19.0	10	8.0	17.6	9.0	--
JAN									
08...	1715	370	7.8	11.5	10	20	12.2	6.5	K12
APR									
01...	1400	356	7.7	22.0	15	15	9.0	5.5	<4
JUL									
14...	1040	284	8.6	31.0	40	10	10.6	5.6	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
NOV									
06...	1000	120	23	33	10	26	3.9	101	42
JAN									
08...	<4	120	35	31	10	27	3.6	84	47
APR									
01...	<4	110	31	30	9.0	23	3.4	81	41
JUL									
14...	1000	100	14	27	8.1	17	3.2	87	21

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
NOV								
06...	33	.3	6.3	218	216	.00	2.4	.27
JAN								
08...	36	.2	5.6	223	210	--	--	--
APR								
01...	32	.1	3.4	196	191	.04	1.4	.10
JUL								
14...	24	.1	7.7	170	160	.04	1.6	.21

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295030091055600 LAKE VERRET NEAR GEORGIA, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV 06...	1	20	<1	1	19	0	4	42	10	15000	2

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB TOTAL (UG/L)
NOV 06...	20	7	490	.0	.10	3	164	14	.00	16	<.1

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 06...	<1	<.1	<1	<.01	<.1	<.1	<1	<.01	<.1	<.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
NOV 06...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 06...	<.01	<.10	<.1	<1	<.01	<.1	.29	.00	.00	.05

< Actual value is known to be less than the value shown.

294301091105700 LAKE PALOURDE AT MORGAN CITY, LA

LOCATION.--Lat 29°43'01", long 91°10'57", in T.15 S., R.12 E., St. Mary Parish, Hydrologic Unit 08090302, 3.0 mi (4.8 km) from State Highway 2 and 1.0 mi (1.6 km) east of Morgan City.

DRAINAGE AREA--Indeterminate.

PERIOD OF RECORD.--Water years 1975, 1979 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT									
23...	0930	432	8.2	20.5	5	5.0	11.4	5.5	--
JAN									
08...	1600	416	7.6	11.0	10	20	10.8	5.2	180
APR									
01...	1000	405	8.0	22.0	5	8.0	8.8	3.5	110
JUL									
14...	0915	347	8.2	31.0	30	15	6.2	3.6	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)
OCT									
23...	K60	140	33	37	12	32	4.1	109	52
JAN									
08...	<4	140	35	35	12	31	3.4	102	53
APR									
01...	K20	140	45	36	11	26	3.3	90	52
JUL									
14...	860	120	27	32	9.8	23	3.2	93	41

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)
OCT								
23...	41	.3	6.8	252	250	.00	1.7	.08
JAN								
08...	38	.2	3.7	239	237	--	--	--
APR								
01...	34	.2	1.6	237	218	.06	1.5	.10
JUL								
14...	32	.2	8.9	207	206	.03	1.7	.15

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294301091105700 LAKE PALOURDE AT MORGAN CITY, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT											
23...	1	0	1	0	1	0	8	4	<10	2600	4

DATE	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB TOTAL (UG/L)
OCT											
23...	10	1	200	.0	.04	10	18	12	.00	13	<.1

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT											
23...	2	<.1	<1	<.01	<.1	<.1	1	<.01	<.1	<.01	<.1

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
23...	<.01	<.1	<.01	<.1	<.01	<1.0	<.01	<.1	<.01	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
23...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
OCT										
23...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT										
23...	<.01	<.10	<.1	<1	<.01	<.1	.10	.00	.00	.01

< Actual value is known to be less than the value shown.

293540091093000 BAYOU PENCHANT AT BAYOU CHENE, NEAR AMELIA, LA (CE 53100)

LOCATION.--Lat 29°35'40", long 91°09'30", in SW1/4NW1/4 sec.17, T.17 S., R.13 E., Terrebonne Parish, Hydrologic Unit 08090302, 7.9 mi (12.7 km) south-southeast of Morgan City and 5.9 mi (9.5 km) southwest of Amelia.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT												
28...	1310	509	7.9	10	3.0	<1.0	7.8	24	.1	460	K320	150
NOV												
18...	1544	--	--	--	--	<1.0	8.8	--	.9	--	280	--
DEC												
10...	1130	432	7.7	5	50	<1.0	8.2	18	1.6	--	180	140
JAN												
20...	1410	451	7.6	10	110	<1.0	12.6	61	3.2	K40	K24	150

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT												
28...	36	37	13	35	3.8	111	46	48	40	.85	.01	.86
NOV												
18...	--	--	--	--	--	--	--	--	81	.14	.02	.16
DEC												
10...	40	35	13	31	3.6	100	50	44	104	.52	.06	.58
JAN												
20...	41	37	13	35	3.3	105	53	45	206	.65	.01	.66

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT												
28...	.85	.22	2	1	0	<1	0	<1	0	0	6	4
NOV												
18...	.81	.14	1	0	0	0	0	0	20	0	8	4
DEC												
10...	1.4	.08	2	1	0	1	0	1	10	0	7	3
JAN												
20...	.88	.09	2	1	0	<1	0	<1	0	0	9	1

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

293540091093000 BAYOU PENCHANT AT BAYOU CHENE, NEAR AMELIA, LA (CE 53100)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 28...	10	4	0	.0	.0	7	4	0	0	2.0	10	<3
NOV 18...	70	4	1	.0	.0	5	2	0	0	--	20	10
DEC 10...	20	6	1	.0	.0	3	4	0	0	1.0	40	4
JAN 20...	20	10	0	.0	.0	12	3	0	0	6.0	20	4

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 28...	--	.00	4	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 18...	6.5	.00	2	0	.0	.0	.000	.0	.000	.001	.000	.01
DEC 10...	6.8	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 20...	17	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 28...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.02	.00	.01	.00	9.66	.000
NOV 18...	.00	.00	.00	.0	.00	.02	.00	.00	.00	10.1	.000
DEC 10...	<.01	<.01	<.01	<.1	<.01	.03	.00	.01	.01	8.35	.000
JAN 20...	<.01	<.01	<.01	<.1	<.01	.30	.00	.00	.01	11.5	.000

< Actual value is known to be less than the value shown.

292215091231500 LOWER ATCHAFALAYA RIVER CHANNEL AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)
(Formerly published as Atchafalaya Bay at Eugene Island, near Morgan City, LA (CE 88600))

LOCATION.--Lat 29°22'15", long 91°23'15", T.19 S., R.11 E., St. Mary Parish, Hydrologic Unit 08080108, 1.2 mi (1.9 km) northeast of Point Au Fer light and 25 mi (40 km) southwest of Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 28...	1325	2340	7.9	10	55	<1.0	7.7	31	--	760	K120	330
NOV 18...	1555	1880	7.8	15	25	<1.0	8.7	27	.3	--	200	270
DEC 10...	1045	422	7.8	15	50	<1.0	--	20	--	--	K320	150
JAN 20...	1420	1780	7.8	5	230	<1.0	12.8	110	4.1	100	K52	260

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 28...	220	50	51	360	13	115	120	670	92	.89	.01	.90
NOV 18...	160	47	38	270	12	112	110	460	38	.59	.01	.60
DEC 10...	51	38	13	35	3.6	97	57	48	142	.73	.02	.75
JAN 20...	160	45	37	260	12	108	100	440	524	.80	.02	.82

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 28...	1.1	.26	3	2	0	0	1	0	30	0	7	3
NOV 18...	.87	.35	1	1	0	<1	0	<1	0	0	8	3
DEC 10...	1.7	.06	2	1	0	<1	0	<1	0	0	5	3
JAN 20...	.90	.05	3	1	0	0	0	0	10	0	11	3

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

292215091231500 LOWER ATCHAFALAYA RIVER CHANNEL AT EUGENE ISLAND, NEAR MORGAN CITY, LA (CE 88600)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 28...	200	3	0	.0	.0	8	3	0	0	--	20	10
NOV 18...	10	5	0	.0	.0	3	2	0	0	--	20	6
DEC 10...	30	4	2	.1	.2	5	4	0	0	1.0	40	3
JAN 20...	30	17	4	.1	.0	21	0	0	0	--	40	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT 28...	--	.00	0	1	.0	.0	.000	.0	.000	.000	.000	.01
NOV 18...	3.5	.00	1	0	.0	.0	.000	.0	.000	.000	.000	.01
DEC 10...	8.8	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 20...	17	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT 28...	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 18...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
DEC 10...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT 28...	.00	.00	.00	.0	.00	.02	.00	.01	.00	4.09	.000
NOV 18...	.00	.00	.00	.0	.00	.02	.00	.00	.00	11.4	.000
DEC 10...	<.01	<.01	<.01	<.1	<.01	.09	.00	.01	.00	5.85	.000
JAN 20...	<.01	<.01	<.01	<.1	<.01	.02	<.01	<.01	<.01	8.35	.000

< Actual value is known to be less than the value shown.

295325091313000 BAYOU TECHE AT CHARENTON, LA (CE 64380)
(Formerly published as 295845091313000 Bayou Teche at Charenton, LA (CE 64380))

LOCATION.--Lat 29°53'25", long 91°31'30", T.13 S., R.9 E., St. Mary Parish, Hydrologic Unit 08080102, 0.5 mi (0.8 km) north of Charenton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to November 1978, October 1980 to September 1981.
CHLORIDE: October 1974 to November 1978, November 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.5°C June 25, 28, July 1, 26, 1977, July 13, 1978; minimum daily, 4.0°C Jan. 19, 1977.
CHLORIDE: Maximum daily, 1,200 mg/L Nov. 15, 16, 1980; minimum daily, 5.0 mg/L Apr. 13, 24, 25, May 9, June 2, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 14, 15, 22, 23; minimum daily, 7.0°C Jan. 18, Feb. 14.
CHLORIDE: Maximum daily, 1,200 mg/L Nov. 15, 16; minimum daily, 20 mg/L June 21.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.0	15.0	12.0	12.0	14.0	18.0	22.0	24.0	27.0	29.0	30.0	28.0
2	29.0	20.0	15.0	12.0	13.0	18.0	22.0	24.0	28.0	29.0	30.0	28.0
3	29.0	20.0	14.0	12.0	9.0	18.0	22.0	24.0	28.0	28.0	30.0	29.0
4	24.0	20.0	15.0	13.0	11.0	17.0	22.0	25.0	28.0	28.0	30.0	30.0
5	24.0	21.0	14.0	12.0	11.0	17.0	22.0	25.0	28.0	27.0	30.0	30.0
6	24.0	21.0	17.0	13.0	11.0	17.0	22.0	25.0	28.0	28.0	30.0	30.0
7	24.0	21.0	17.0	14.0	10.0	18.0	22.0	24.0	28.0	---	30.0	29.0
8	24.0	21.0	19.0	12.0	10.0	18.0	23.0	24.0	28.0	29.0	30.0	31.0
9	24.0	23.0	19.0	15.0	12.0	18.0	23.0	24.0	28.0	27.0	30.0	29.0
10	24.0	23.0	18.0	14.0	14.0	18.0	24.0	24.0	29.0	28.0	30.0	29.0
11	24.0	23.0	14.0	12.0	11.0	18.0	24.0	24.0	29.0	28.0	31.0	28.0
12	24.0	23.0	14.0	8.0	12.0	18.0	24.0	24.0	29.0	27.0	31.0	28.0
13	22.0	21.0	14.0	10.0	9.0	18.0	24.0	24.0	28.0	27.0	31.0	28.0
14	22.0	21.0	15.0	11.0	7.0	18.0	24.0	26.0	28.0	27.0	32.0	28.0
15	22.0	21.0	14.0	11.0	8.0	18.0	26.0	25.0	28.0	---	32.0	26.0
16	22.0	21.0	16.0	13.0	10.0	18.0	26.0	25.0	28.0	31.0	31.0	23.0
17	22.0	20.0	16.0	9.0	11.0	18.0	26.0	26.0	29.0	31.0	31.0	24.0
18	22.0	16.0	16.0	7.0	13.0	17.0	27.0	26.0	29.0	31.0	31.0	23.0
19	22.0	13.0	16.0	10.0	12.0	16.0	25.0	27.0	29.0	31.0	30.0	23.0
20	23.0	14.0	13.0	11.0	13.0	16.0	25.0	24.0	29.0	31.0	30.0	25.0
21	23.0	12.0	8.0	10.0	12.0	16.0	25.0	23.0	29.0	30.0	29.0	26.0
22	23.0	10.0	11.0	9.0	13.0	15.0	25.0	23.0	29.0	30.0	32.0	25.0
23	23.0	16.0	12.0	10.0	11.0	15.0	25.0	26.0	29.0	30.0	32.0	27.0
24	23.0	15.0	12.0	10.0	16.0	16.0	25.0	27.0	29.0	30.0	30.0	27.0
25	23.0	15.0	13.0	---	18.0	15.0	24.0	26.0	28.0	30.0	31.0	27.0
26	23.0	14.0	12.0	---	18.0	15.0	25.0	26.0	27.0	30.0	29.0	27.0
27	23.0	14.0	10.0	---	18.0	15.0	24.0	27.0	27.0	30.0	29.0	28.0
28	23.0	14.0	10.0	---	18.0	17.0	25.0	27.0	28.0	30.0	29.0	28.0
29	23.0	14.0	11.0	14.0	---	18.0	25.0	27.0	29.0	30.0	28.0	28.0
30	23.0	14.0	10.0	15.0	---	20.0	25.0	27.0	29.0	30.0	28.0	28.0
31	---	---	10.0	15.0	---	22.0	---	27.0	---	30.0	28.0	---
MAX	29.0	23.0	19.0	15.0	18.0	22.0	27.0	27.0	29.0	31.0	32.0	31.0
MIN	22.0	10.0	8.0	7.0	7.0	15.0	22.0	23.0	27.0	27.0	28.0	23.0

295325091313000 BAYOU TECHE AT CHARENTON, LA (CE 64380)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	55	40	35	50	44	510	41	54	28	30	38
2	73	55	45	40	49	280	240	50	57	27	26	46
3	74	40	35	40	44	280	260	29	56	25	33	37
4	74	70	40	40	47	170	240	38	62	36	30	35
5	77	40	40	35	55	280	250	52	60	25	32	32
6	77	45	45	40	42	140	160	74	32	31	33	35
7	76	55	65	40	40	61	170	50	50	---	28	36
8	66	50	240	40	40	47	120	50	60	24	28	32
9	55	130	800	40	45	40	100	52	55	26	25	33
10	65	150	40	35	40	48	110	76	60	---	30	33
11	45	85	40	40	40	46	110	83	60	28	30	38
12	66	65	40	45	64	44	110	72	47	22	30	42
13	66	85	40	50	43	46	74	78	34	26	28	42
14	56	1000	50	50	56	40	79	54	24	22	31	41
15	79	1200	45	55	57	39	130	75	26	28	35	37
16	58	1200	40	45	65	36	150	63	30	23	30	34
17	330	600	50	40	54	38	140	46	31	22	30	36
18	830	200	50	40	56	54	110	45	28	28	37	28
19	85	100	40	40	36	68	52	47	26	26	36	33
20	98	100	35	45	36	69	63	70	33	26	32	36
21	70	100	40	40	32	60	110	62	20	28	36	40
22	68	95	45	40	36	33	68	48	25	34	30	42
23	66	75	45	50	38	57	66	44	25	25	34	35
24	66	65	60	40	36	39	64	48	41	38	38	39
25	75	70	45	---	41	33	96	36	40	27	36	44
26	72	70	30	---	40	28	70	39	34	32	38	44
27	72	60	40	---	35	33	88	66	42	30	41	44
28	---	60	35	---	54	28	81	58	35	26	43	46
29	68	45	35	63	---	130	72	56	25	28	36	45
30	70	60	40	51	---	740	97	60	24	32	38	46
31	70	---	40	45	---	550	---	44	---	26	42	---
MAX	830	1200	800	63	65	740	510	83	62	38	43	46
MIN	45	40	30	35	32	28	52	29	20	22	25	28

07385790 CHARENTON DRAINAGE CANAL NEAR BALDWIN, LA (CE 64450)

LOCATION.--Lat 29°49'23", long 91°32'30", T.14 S., R.9 E., St. Mary Parish, Hydrologic Unit 08080102, about 35 ft (10.7 m) southwest of Southern Pacific Railroad bridge and 0.7 mi (1.1 km) south of Baldwin.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1958-59, 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to November 1978, March 1980 to current year.
CHLORIDE: October 1974 to November 1978, November 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 36.0°C July 11, 1980; minimum daily, 4.0°C Jan. 19, 1977.
CHLORIDE: Maximum daily, 1,300 mg/L Dec. 9, 1980; minimum daily, 5.0 mg/L Apr.27, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C several days in July, August, and September; minimum daily, 8.0°C Feb. 13, 14.
CHLORIDE: Maximum daily, 1,300 mg/L Dec. 9; minimum daily, 22 mg/L June 21, July 5, 8, 21.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	18.0	13.0	11.0	14.0	17.0	21.0	24.0	29.0	30.0	30.0	30.0
2	---	18.0	13.0	11.0	10.0	18.0	21.0	24.0	29.0	30.0	30.0	32.0
3	---	18.0	13.0	11.0	12.0	19.0	21.0	24.0	28.0	29.0	30.0	28.0
4	24.0	18.0	13.0	12.0	10.0	17.0	22.0	25.0	28.0	29.0	31.0	29.0
5	24.0	18.0	16.0	12.0	11.0	16.0	22.0	25.0	27.0	29.0	29.0	28.0
6	24.0	18.0	16.0	13.0	11.0	17.0	21.0	25.0	27.0	28.0	29.0	29.0
7	24.0	20.0	16.0	11.0	12.0	18.0	21.0	25.0	28.0	27.0	30.0	29.0
8	24.0	20.0	16.0	13.0	14.0	17.0	20.0	25.0	29.0	28.0	30.0	32.0
9	24.0	20.0	19.0	11.0	14.0	16.0	21.0	25.0	29.0	29.0	30.0	30.0
10	24.0	20.0	17.0	11.0	15.0	15.0	21.0	25.0	29.0	30.0	30.0	30.0
11	24.0	20.0	14.0	11.0	12.0	15.0	22.0	25.0	29.0	29.0	30.0	30.0
12	24.0	20.0	14.0	11.0	9.0	15.0	23.0	25.0	29.0	30.0	31.0	30.0
13	25.0	20.0	14.0	10.0	8.0	16.0	24.0	25.0	27.0	30.0	31.0	29.0
14	25.0	20.0	14.0	10.0	8.0	17.0	23.0	24.0	27.0	30.0	32.0	28.0
15	25.0	20.0	14.0	11.0	10.0	17.0	22.0	24.0	29.0	31.0	31.0	28.0
16	25.0	20.0	14.0	11.0	11.0	16.0	21.0	26.0	29.0	31.0	30.0	26.0
17	25.0	20.0	14.0	11.0	12.0	16.0	25.0	26.0	30.0	32.0	31.0	26.0
18	25.0	16.0	13.0	10.0	13.0	16.0	25.0	26.0	30.0	31.0	32.0	24.0
19	25.0	12.0	13.0	10.0	13.0	16.0	23.0	26.0	30.0	31.0	31.0	24.0
20	25.0	13.0	13.0	9.0	13.0	16.0	25.0	25.0	30.0	31.0	31.0	24.0
21	25.0	13.0	13.0	10.0	17.0	16.0	25.0	23.0	30.0	30.0	31.0	25.0
22	25.0	14.0	13.0	10.0	17.0	16.0	28.0	24.0	30.0	31.0	30.0	25.0
23	25.0	14.0	13.0	9.0	17.0	16.0	26.0	25.0	30.0	30.0	30.0	25.0
24	25.0	14.0	13.0	9.0	16.0	16.0	25.0	25.0	30.0	32.0	30.0	26.0
25	25.0	14.0	10.0	11.0	15.0	15.0	25.0	25.0	28.0	32.0	30.0	27.0
26	25.0	13.0	10.0	13.0	17.0	15.0	24.0	25.0	29.0	32.0	31.0	24.0
27	25.0	11.0	10.0	13.0	17.0	16.0	24.0	25.0	30.0	32.0	30.0	28.0
28	25.0	12.0	10.0	14.0	17.0	17.0	24.0	25.0	30.0	32.0	30.0	29.0
29	25.0	10.0	10.0	15.0	---	17.0	24.0	25.0	30.0	32.0	30.0	28.0
30	25.0	11.0	10.0	16.0	---	19.0	24.0	25.0	30.0	31.0	30.0	28.0
31	25.0	---	11.0	14.0	---	20.0	---	25.0	---	31.0	30.0	---
MAX	25.0	20.0	19.0	16.0	17.0	20.0	28.0	26.0	30.0	32.0	32.0	32.0
MIN	24.0	10.0	10.0	9.0	8.0	15.0	20.0	23.0	27.0	27.0	29.0	24.0

07385790 CHARENTON DRAINAGE CANAL NEAR BALDWIN, LA (CE 64450)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	35	45	35	48	42	500	88	34	34	30	44
2	70	35	55	40	46	43	480	88	44	32	26	40
3	65	40	45	35	45	45	310	45	50	28	25	45
4	65	75	50	45	52	440	760	38	50	26	25	38
5	70	40	80	45	55	180	760	36	51	22	28	34
6	70	55	120	45	44	85	200	50	50	27	26	40
7	70	45	120	80	41	100	150	64	46	25	31	46
8	50	70	1000	40	42	41	100	72	96	22	30	32
9	50	75	1300	40	41	38	100	61	58	26	32	38
10	50	70	200	45	40	42	140	73	56	25	31	44
11	45	120	50	40	35	40	96	71	36	25	29	44
12	40	95	50	40	40	46	98	64	35	25	29	60
13	45	---	40	40	40	39	99	62	42	31	28	58
14	55	---	45	40	34	36	96	64	28	28	29	48
15	65	---	40	100	37	40	88	64	26	28	33	50
16	100	---	45	100	40	40	110	72	29	33	38	34
17	380	---	40	45	33	40	85	74	30	23	36	35
18	850	---	40	45	49	32	51	84	32	24	33	36
19	850	100	50	40	32	36	50	85	30	25	34	36
20	850	85	40	40	34	36	64	55	24	28	29	50
21	70	90	50	40	34	34	62	62	22	22	31	59
22	75	90	45	45	41	29	98	48	24	25	38	50
23	70	65	40	40	34	36	40	46	32	27	40	50
24	60	55	85	54	36	34	55	50	25	30	38	46
25	85	85	40	77	34	38	85	49	28	33	40	44
26	90	80	30	80	35	36	66	46	24	25	38	42
27	85	55	35	78	44	32	96	37	26	31	50	42
28	55	55	40	94	46	61	92	60	26	25	46	46
29	---	50	40	99	---	76	100	51	26	26	44	41
30	75	35	35	100	---	490	44	55	26	27	43	44
31	65	---	40	48	---	500	---	56	---	26	44	---
MAX	850	120	1300	100	55	500	760	88	96	34	50	60
MIN	40	35	30	35	32	29	40	36	22	22	25	32

07386980 VERMILION RIVER AT PERRY, LA

LOCATION.--Lat 29°57'04", long 92°09'22", on line between lots 60 and 61, T.12 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, at bridge on State Highway 82 at Perry, 2.0 mi (3.2 km) south of Abbeville.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1978 to current year (gage heights only). Unpublished gage-height records, August 1960 to September 1978, available in files of Baton Rouge district office.

REVISED RECORDS.--WDR LA 80-3: 1979.

GAGE.--Water-stage recorder. Datum of gage is 2.95 ft (0.899 m) below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum and minimum gage heights not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 9.33 ft (2.844 m) June 11; minimum not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.00	3.91	4.44	3.59	4.93	3.76	4.60	4.44	4.90	4.74	---	---
2	4.70	4.22	4.41	3.00	2.87	3.52	4.35	3.94	4.44	4.44	---	---
3	3.60	4.25	3.41	3.59	2.57	4.08	4.91	5.25	4.30	5.60	---	4.90
4	3.80	3.98	4.41	3.84	4.29	5.64	6.05	5.31	4.31	4.94	--	4.61
5	4.20	3.35	4.45	3.13	4.20	4.52	3.95	7.30	5.00	4.84	---	4.31
6	3.44	3.98	4.41	4.61	6.94	3.56	3.02	6.50	7.44	6.07	---	4.65
7	3.72	4.21	4.81	3.50	5.77	4.54	3.88	4.80	5.26	6.09	---	4.61
8	4.20	4.64	5.04	3.91	4.94	4.49	4.21	4.29	4.50	5.59	---	4.74
9	4.13	4.78	5.21	4.31	4.49	3.57	3.92	4.67	4.44	4.90	---	4.02
10	4.20	4.16	4.69	3.95	4.50	3.26	4.06	5.20	5.18	4.40	---	4.41
11	3.90	4.41	3.51	2.90	4.00	3.16	4.51	3.20	8.19	5.06	---	4.91
12	3.40	4.71	4.25	2.21	2.73	3.43	4.18	4.09	8.70	5.16	---	4.86
13	4.00	5.54	4.13	2.90	3.69	3.76	4.40	4.80	7.60	4.93	---	4.65
14	4.44	5.84	3.64	3.49	3.34	3.73	4.58	5.05	6.80	4.54	---	4.65
15	4.82	5.01	3.80	3.44	3.45	4.02	4.13	3.84	6.17	4.29	---	4.75
16	4.90	4.11	3.81	3.34	4.10	3.46	4.28	5.04	5.78	3.80	---	4.11
17	5.25	5.48	3.20	2.47	4.00	4.03	4.81	5.78	5.04	3.77	---	3.25
18	5.10	2.84	4.17	2.95	4.30	4.84	4.92	5.54	4.40	3.70	---	2.86
19	7.13	3.41	4.40	3.53	4.24	1.82	4.73	4.88	4.43	3.44	---	4.08
20	4.80	3.61	2.61	4.20	3.50	2.66	4.26	2.78	4.15	3.40	---	4.65
21	4.66	3.21	3.15	2.71	3.95	4.76	3.58	3.00	4.07	3.33	---	5.19
22	4.60	4.32	4.05	3.50	4.00	4.39	3.64	3.66	4.09	3.23	---	4.89
23	4.74	6.48	4.73	3.44	2.54	1.58	4.50	4.04	3.94	---	---	4.41
24	4.48	4.88	4.44	3.47	2.50	2.54	3.57	4.10	4.00	---	---	4.11
25	2.80	4.45	1.54	3.81	2.89	2.89	3.61	4.24	4.40	---	---	4.00
26	4.50	6.75	3.80	3.74	3.32	2.53	4.18	4.41	4.43	---	---	4.46
27	5.42	6.51	3.85	3.70	3.58	3.53	4.28	3.72	4.73	---	---	4.48
28	4.86	4.56	3.14	3.60	3.70	4.30	4.31	4.00	4.80	---	---	4.52
29	2.50	4.25	3.27	3.95	---	5.46	4.28	4.82	4.75	---	---	4.59
30	2.78	4.21	2.94	3.74	---	5.01	4.07	4.89	4.95	---	---	4.65
31	2.98	---	3.21	3.09	---	4.42	---	4.94	---	---	---	---
MEAN	4.26	4.54	3.90	3.47	3.90	3.78	4.26	4.60	5.17	---	---	---
MAX	7.13	6.75	5.21	4.61	6.94	5.64	6.05	7.30	8.70	---	---	5.19
MIN	2.50	2.84	1.54	2.21	2.50	1.58	3.02	2.78	3.94	6.09	---	2.86

295010092080100 VERMILION RIVER (NEAR BANKER) NEAR HENRY, LA (CE 67875)

LOCATION.--Lat 29°50'10", long 92°08'01", T.14 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, 4.6 mi (7.4 km) southwest of Henry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 30...	1235	5380	7.6	15	60	<1.0	10.8	45	1.1	K60	K50	590
NOV 20...	1202	18600	7.7	5	15	<1.0	11.2	95	1.6	--	K10	2100
DEC 12...	1454	6120	7.4	5	30	<1.0	10.6	33	1.1	100	K100	670
JAN 22...	1105	14300	7.2	5	15	<1.0	11.8	650	1.6	K15	<4	1600

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 30...	540	54	110	910	39	45	230	1700	145	.11	.01	.12
NOV 20...	2000	150	410	3500	140	64	950	6300	53	.01	.00	.01
DEC 12...	600	53	130	1000	39	66	270	1900	67	.49	.05	.54
JAN 22...	1600	100	330	2500	86	52	650	4700	33	.00	.01	.01

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 30...	1.1	.22	2	1	0	0	1	0	0	0	6	3
NOV 20...	.74	.07	0	0	0	0	0	0	30	0	6	3
DEC 12...	1.0	.13	3	0	0	<1	0	2	20	0	7	3
JAN 22...	.77	.33	0	0	0	0	0	0	50	0	5	2

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295010092080100 VERMILION RIVER (NEAR BANKER) NEAR HENRY, LA (CE 67875)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	20	5	1	.1	.0	9	1	0	0	30	10	--
NOV 20...	70	33	3	.0	.0	2	1	0	0	30	30	6.3
DEC 12...	20	7	2	.0	.1	2	0	0	0	50	9	16
JAN 22...	40	5	1	.1	.0	4	0	0	0	20	20	8.1

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 30...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 20...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
DEC 12...	.00	10	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.03
JAN 22...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 30...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 12...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 22...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 30...	.00	.00	.00	.0	.00	.01	.00	.00	.00	12.8	.000
NOV 20...	<.01	<.01	<.01	<.1	<.01	.01	.00	.00	.00	4.19	.000
DEC 12...	<.01	<.01	<.01	<.1	<.01	.08	.00	.01	.00	3.87	.000
JAN 22...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	.00	8.20	.000

< Actual value is known to be less than the value shown.

294150092055000 VERMILION BAY AT REDFISH POINT, NEAR HENRY, LA (CE 96118)

LOCATION.--Lat 29°41'50", long 92°05'50", T.15 S., R.3 E., Vermilion Parish, Hydorlogic Unit 08080103, 12.9 mi (20.8 km) south-southwest of Henry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 30...	1305	4620	7.3	10	12	<1.0	8.4	55	1.2	K380	K40	490
NOV 20...	1135	424	7.5	40	10	<1.0	2.8	47	5.3	--	K35	80
DEC 12...	1515	392	7.0	40	45	<1.0	5.2	84	2.4	--	--	61
JAN 22...	1045	1530	6.9	75	100	<1.0	8.8	57	2.2	1200	120	170

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 30...	460	46	92	760	32	36	210	1400	257	.02	.01	.03
NOV 20...	16	19	7.9	46	5.9	64	24	76	27	.10	.11	.21
DEC 12...	13	16	5.1	48	5.2	48	25	78	51	.19	.01	.20
JAN 22...	120	25	25	240	9.5	47	68	410	59	.56	.07	.63

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 30...	1.4	.23	2	0	0	0	1	0	0	0	6	3
NOV 20...	1.3	.09	2	2	0	<1	0	<1	0	0	7	4
DEC 12...	1.1	.00	1	0	0	0	0	0	20	0	5	2
JAN 22...	2.2	.29	2	1	0	<1	0	<1	10	0	9	3

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294150092055000 VERMILION BAY AT REDFISH POINT, NEAR HENRY, LA (CE 96118)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)
OCT 30...	30	7	2	.1	.0	12	2	0	0	--	40	20
NOV 20...	380	5	0	.0	.0	9	3	0	0	6.0	10	4
DEC 12...	20	2	2	.1	.0	3	0	0	0	--	40	20
JAN 22...	60	11	0	.2	.1	7	0	0	0	--	20	9

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT 30...	--	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
NOV 20...	15	.00	1	0	.2	<.1	<.001	<.1	<.001	<.001	<.001	.04
DEC 12...	8.5	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 22...	14	.00	3	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.05

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT 30...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
NOV 20...	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 22...	.002	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT 30...	<.01	<.01	<.01	<.1	<.01	.01	.00	.00	.00	20.8	.000
NOV 20...	<.01	<.01	<.01	<.1	<.01	.18	.00	.00	.00	7.45	1.29
DEC 12...	<.01	<.01	<.01	<.1	<.01	.02	.00	.00	.00	2.28	.000
JAN 22...	<.01	<.01	<.01	<.1	<.01	.03	<.01	<.01	.00	3.05	.000

< Actual value is known to be less than the value shown.

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)

LOCATION.--Lat 29°41'10", long 91°53'30", R.6 E., T.15 S., Iberia Parish, Hydrologic Unit 08080103, at Cypremort Point, 13 mi (21 km) south of Avery Island and 8 mi (13 km) southwest of Louisa.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to January 1981 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1977 to current year.
CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 30.0°C Sept. 25-30, 1980, July 17, 18, 21-23, 1981; minimum daily, 1.0°C Feb. 1, 1979.
CHLORIDE: Maximum daily, 8,500 mg/L Nov. 3, 1980; minimum, 100 mg/L Feb. 28, 1979.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 30.0°C July 17, 18, 21-23; minimum daily, 6.0°C Jan. 13, 16, 17.
CHLORIDE: Maximum daily, 8,500 mg/L Nov. 3; minimum daily, 1,200 mg/L June 15.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 30...	1320	12300	7.6	10	30	<1.0	9.6	64	.7	K15	<5	1300
NOV 20...	1117	19100	7.5	5	4.0	<1.0	10.6	100	1.5	--	<5	2200
DEC 12...	1534	14500	7.6	5	3.0	<1.0	11.8	150	2.1	350	160	1600
JAN 22...	1030	15100	6.9	10	5.0	<1.0	11.6	210	1.8	<5	<4	1900

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 30...	1300	110	260	2300	80	46	480	4100	73	.00	.01	.01
NOV 20...	2100	150	440	3800	150	54	960	6700	15	.00	.00	.00
DEC 12...	1500	120	320	2800	99	90	700	4900	27	.21	.01	.22
JAN 22...	1900	170	370	2800	94	43	770	5200	23	.00	.00	.00

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 30...	1.2	.31	19	1	0	0	0	0	20	0	8	6
NOV 20...	1.1	.09	0	1	10	0	1	0	30	0	7	4
DEC 12...	.91	.07	1	0	10	0	0	0	20	0	3	4
JAN 22...	.84	.06	0	1	10	0	0	0	50	0	8	2

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	40	8	5	.2	.0	8	6	0	0	20	10	--
NOV 20...	50	4	0	.0	.1	3	0	0	0	30	20	7.1
DEC 12...	40	3	0	.0	.0	3	0	0	0	40	40	5.7
JAN 22...	30	3	0	.1	2.1	3	0	0	0	--	20	7.3

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 30...	.00	6	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
NOV 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
DEC 12...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 22...	.01	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 30...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	.01	<.01	.01	<.01
NOV 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 22...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 30...	<.01	<.01	<.01	<.1	<.01	.10	.00	.00	.00	3.50	.000
NOV 20...	<.01	<.01	<.01	<.1	<.01	.01	.00	.00	.00	1.99	.000
DEC 12...	<.01	<.01	<.01	<.1	<.01	.04	.00	.00	.00	4.37	.000
JAN 22...	<.01	<.01	<.01	<.1	<.01	.02	<.01	<.01	.00	4.13	.000

< Actual value is known to be less than the value shown.

294110091533000 VERMILION BAY AT CYPREMORT POINT, NEAR LOUISA, LA (CE 88850)--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	13.0	---	8.5	12.0	---	21.0	23.0	26.5	27.5	29.0	27.5
2	---	14.0	---	9.0	12.0	---	21.0	23.0	27.5	27.0	29.0	27.0
3	---	14.0	---	10.0	9.0	---	20.0	22.0	27.0	---	29.0	27.5
4	---	16.0	14.0	10.0	8.5	18.0	21.0	22.0	---	27.0	29.0	27.0
5	---	16.0	14.0	9.5	8.5	18.0	20.0	22.0	26.0	27.0	29.0	27.0
6	---	16.0	16.0	10.0	8.5	17.0	19.0	22.0	26.5	26.5	29.0	27.5
7	---	17.0	15.0	9.5	8.5	17.0	19.0	22.0	27.0	26.5	28.5	28.0
8	---	17.0	17.0	8.5	8.5	16.0	20.0	22.0	27.5	27.5	28.5	27.5
9	---	17.0	16.0	8.5	8.5	16.0	20.0	23.0	28.0	28.0	28.5	28.0
10	---	17.0	13.0	8.0	8.5	15.0	20.0	23.0	28.0	29.0	28.5	27.0
11	22.0	17.0	10.5	8.0	8.5	15.0	20.0	23.0	27.0	28.0	28.5	26.0
12	22.0	17.0	11.0	6.5	---	15.0	20.0	23.0	27.5	28.0	28.5	27.0
13	21.0	14.0	11.5	6.0	---	14.0	22.0	23.0	27.0	28.0	27.5	27.0
14	21.0	15.0	12.0	7.0	---	14.0	23.0	23.5	27.0	29.0	22.5	---
15	21.0	16.0	12.0	6.5	---	14.0	23.0	23.5	27.5	29.0	29.0	26.5
16	21.0	17.0	13.0	6.0	---	15.0	23.0	24.0	27.5	29.0	29.5	26.0
17	22.0	15.0	13.0	6.0	---	15.0	23.0	24.5	28.0	30.0	29.5	25.0
18	22.0	13.0	13.0	6.5	---	15.0	24.0	24.5	28.5	30.0	29.5	25.5
19	22.0	10.0	14.0	7.0	---	14.0	24.0	25.0	28.5	29.0	29.0	---
20	22.0	10.0	10.0	7.0	---	14.0	24.0	21.5	28.5	29.5	29.0	22.0
21	22.0	11.0	8.0	7.0	---	14.0	24.0	21.0	28.5	30.0	28.5	22.0
22	22.0	12.0	9.0	7.0	---	14.0	24.0	22.0	29.0	30.0	28.0	22.0
23	22.0	12.0	10.0	8.0	---	14.0	24.0	23.0	28.0	30.0	28.0	23.0
24	22.0	12.0	8.5	---	---	13.5	24.0	23.0	28.0	29.5	27.5	---
25	---	9.0	7.5	9.5	---	14.0	23.0	24.0	28.0	29.5	27.5	24.0
26	---	9.0	7.0	9.5	---	15.0	23.0	24.0	28.0	29.5	26.5	24.0
27	---	9.0	7.0	9.5	---	15.0	23.0	25.0	27.0	29.5	27.0	24.0
28	---	9.0	7.5	9.5	---	17.0	23.0	25.5	---	29.5	27.0	25.5
29	---	9.0	7.5	9.5	---	18.0	23.0	26.0	27.5	29.0	27.0	25.0
30	---	9.0	8.0	9.5	---	18.5	23.0	---	27.5	29.0	27.0	25.0
31	---	---	9.0	9.5	---	19.0	---	---	---	29.0	27.0	---
MAX	---	17.0	17.0	10.0	---	19.0	24.0	26.0	29.0	30.0	29.5	28.0
MIN	---	9.0	7.0	6.0	---	13.5	19.0	21.0	26.0	26.5	22.5	22.0

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3400	4700	---	5200	5000	---	3500	4000	3600	2200	2700	2800
2	4600	6800	---	5100	5300	---	4900	4100	3500	1900	2500	2800
3	5100	8500	---	5400	5200	4800	5000	3500	3300	---	2800	2900
4	5300	6700	---	5400	5400	4200	3400	4200	3500	2200	2700	2600
5	5300	6400	7100	5300	5200	4900	4500	4000	3200	2300	2600	2900
6	5200	5400	6300	6200	5000	5100	5700	3300	3200	1900	2800	2500
7	5100	6800	5700	4900	5400	5000	4200	4100	3600	2000	2700	2500
8	5200	6900	---	4900	5100	5000	4600	4300	3600	2100	2800	3000
9	5200	6400	6100	4800	5300	4900	4800	4500	3700	1900	2700	3000
10	---	6500	6900	5200	5100	5000	5400	4200	2000	1900	3000	2700
11	5200	6700	6200	5300	5000	5100	4800	4000	3000	1900	2800	2800
12	5200	6700	---	4800	5200	5100	4300	4400	3200	1700	2800	2900
13	5200	---	---	5000	4900	5200	3800	4500	2000	1800	2800	2800
14	5200	---	---	4900	5200	5200	2900	3100	1300	1700	2800	---
15	5100	---	5300	5000	4700	5000	4400	3400	1200	1900	2800	2500
16	4800	---	---	4900	5000	5100	4300	3500	1400	1600	2800	2900
17	4800	5200	---	4800	5100	5100	3100	3100	1600	1900	2500	3000
18	5000	5200	5600	4900	4700	5000	2500	3600	2200	1800	3000	2700
19	5000	6200	5100	4500	4900	5100	3600	3100	2100	1700	2500	---
20	5000	---	5800	4900	5200	4800	3300	3900	2200	1800	2500	2600
21	5000	5700	5300	4900	5200	5100	2900	3800	2200	2200	2500	2800
22	5100	5800	5700	---	5200	4700	3600	4100	2100	1800	2500	3000
23	4800	5200	6200	5100	5300	5400	3700	2700	2200	1800	2500	3000
24	4700	5300	5300	5100	5100	5000	5400	3900	2200	2300	2400	---
25	---	5200	5100	5500	5800	5400	4400	3500	2200	3600	2500	2900
26	---	6400	5200	5200	7400	6100	4500	2200	2100	3500	2500	3100
27	---	4800	5400	5500	6600	3300	4300	2800	2100	3300	2700	3100
28	---	4700	5200	5400	5000	5900	4100	3400	---	3300	2700	3000
29	---	---	5400	5200	---	4900	4400	3700	2300	2700	2700	3100
30	---	---	5400	5400	---	3200	3900	---	2200	3200	2700	3100
31	4400	---	5100	5100	---	6000	---	---	---	2800	2700	---
MAX	5300	8500	7100	6200	7400	6100	5700	4500	3700	3600	3000	3100
MIN	3400	4700	5100	4500	4700	3200	2500	2200	1200	1600	2400	2500

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)

LOCATION.--Lat 29°47'00", long 92°11'40", T.14 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, on north bank at east end of lock and 2.3 mi (3.7 km) west of Intracoastal City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to current year.
CHLORIDE: October 1974 to October 1978, December 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 35.0°C July 26, Aug. 1, 1977; minimum daily, 5.0°C Feb. 12, 1981.
CHLORIDE: Maximum daily, 7,700 mg/L June 4, 1981; minimum daily, 8.0 mg/L July 13, 14, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 28.0°C July 20; minimum daily, 5.0°C Feb. 12.
CHLORIDE: Maximum daily, 7,700 mg/L June 4; minimum daily, 33 mg/L July 10.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 30...	1255	2830	7.3	--	10	120	<1.0	8.0	40	.6	K280	K140
NOV 20...	1153	10700	7.4	--	10	35	<1.0	8.3	94	1.3	--	220
DEC 12...	1502	2670	7.1	--	15	180	<1.0	8.4	60	1.3	--	700
JAN 22...	1100	1800	7.0	--	30	300	<1.0	10.3	12	1.4	K240	110
JUN 09...	1800	3570	6.6	30.5	70	100	<1.0	4.0	70	5.0	K950	120
AUG 11...	1500	563	6.0	30.5	70	65	<1.0	4.6	62	.8	K300000	290

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 30...	310	270	35	55	460	20	39	110	850	191	.30	.02
NOV 20...	1200	1100	98	220	1900	72	56	490	3400	49	.02	.00
DEC 12...	300	270	30	54	440	19	30	130	750	322	.39	.03
JAN 22...	180	150	23	30	280	11	30	73	490	672	.33	.07
JUN 09...	250	210	36	40	740	23	49	190	1100	214	.16	.05
AUG 11...	68	39	11	9.9	78	4.8	29	20	140	92	.06	.03

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
OCT 30...	.32	1.0	.20	2	0	10	0	3	0	0	0	5
NOV 20...	.02	.98	.04	0	0	0	0	0	0	20	0	7
DEC 12...	.42	1.0	.11	2	2	0	0	0	0	10	0	9
JAN 22...	.40	--	--	5	1	0	<1	0	<1	50	0	18
JUN 09...	.21	1.9	.32	4	4	0	0	2	1	30	0	12
AUG 11...	.09	2.1	.10	2	1	0	<1	0	<1	10	0	9

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 30...	3	20	7	0	.2	.0	11	2	0	0	20	20
NOV 20...	2	60	3	0	.0	.0	3	1	0	0	--	40
DEC 12...	3	150	8	1	.1	.0	10	0	0	0	60	20
JAN 22...	4	60	25	0	.2	.1	16	0	0	0	60	10
JUN 09...	7	160	0	3	.1	.1	11	3	0	0	--	60
AUG 11...	8	120	6	3	.2	.0	2	3	0	0	30	29

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 30...	--	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
NOV 20...	8.8	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC 12...	14	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
JAN 22...	19	.00	2	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JUN 09...	19	.00	2	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
AUG 11...	13	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.04

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 30...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	.01	<.01	.02	<.01
NOV 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 12...	.001	<.001	<.001	<.01	<.001	<.001	<.001	.02	<.01	<.01	<.01
JAN 22...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUN 09...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	.01	<.01	<.01	<.01
AUG 11...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 30...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	6.43	.000
NOV 20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	4.07	.000
DEC 12...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	1.43	.000
JAN 22...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01	2.21	.000
JUN 09...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01	3.80	.000
AUG 11...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01	5.28	.000

< Actual value is known to be less than the value shown.

294700092114000 INTRACOASTAL WATERWAY AT VERMILION LOCK (EAST), NEAR INTRACOASTAL CITY, LA (CE 76720)--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0		---	6.5	11.0	14.0	18.0	19.0	19.0	23.0	---	---
2	25.0		---	6.5	9.0	16.0	18.0	19.0	23.0	24.0	26.0	23.0
3	25.0		---	7.0	8.5	15.0	18.0	19.0	23.0	24.0	25.0	---
4	24.0		---	7.0	8.0	15.0	---	19.0	23.0	24.0	---	22.0
5	24.0		---	7.0	9.0	12.0	15.0	19.0	22.0	22.0	26.0	23.0
6	23.0		14.0	7.0	7.0	15.0	18.0	19.0	22.0	22.0	25.0	22.0
7	23.0		14.0	7.0	6.0	15.0	18.0	19.0	23.0	22.0	24.0	22.0
8	22.0		14.0	7.0	8.0	12.0	---	19.0	24.0	23.0	---	23.0
9	---		---	7.0	10.0	12.0	17.0	20.0	24.0	24.0	24.0	---
10	---		---	---	10.0	---	17.0	19.0	24.0	25.0	25.0	23.0
11	---		---	---	8.0	---	18.0	19.0	21.0	25.0	24.0	19.5
12	---		---	7.0	5.0	---	18.0	20.0	22.0	24.0	24.0	22.5
13	---		---	6.0	6.0	---	22.0	19.0	24.0	25.0	25.0	19.0
14	---		10.0	---	9.0	---	22.0	19.0	24.0	24.0	26.0	23.0
15	---		10.0	---	7.0	---	21.0	20.0	24.0	26.0	25.5	19.5
16	---		10.0	---	8.0	---	21.0	20.0	23.0	25.0	---	---
17	---		10.0	7.0	7.0	---	22.0	20.0	23.0	27.0	25.0	20.0
18	---		10.0	6.0	10.0	---	23.0	21.0	23.0	---	25.0	19.0
19	---		10.0	7.0	10.0	---	22.0	21.0	23.0	---	25.0	18.0
20	---		10.0	7.0	11.0	---	22.0	17.0	23.0	28.0	22.0	18.0
21	---		10.0	7.0	12.0	---	21.0	19.0	---	26.0	21.0	17.0
22	---		9.0	7.0	11.5	---	20.0	20.0	23.0	27.0	22.0	19.0
23	---		9.0	7.0	11.0	---	20.0	19.0	23.0	27.0	22.0	---
24	---		9.0	6.0	12.0	13.5	21.0	17.0	23.0	27.0	22.0	---
25	---		8.0	8.0	12.0	14.0	20.0	21.0	23.0	25.0	21.0	---
26	---		8.0	8.0	12.0	14.0	18.0	17.0	23.0	---	---	---
27	---		7.0	10.0	12.0	14.0	20.0	---	23.0	24.0	24.0	---
28	---		7.0	9.0	12.0	14.0	18.0	22.0	23.0	24.0	24.0	---
29	---		7.0	9.5	---	14.0	21.0	22.0	23.0	26.0	---	---
30	---		7.0	11.0	---	15.5	21.0	19.0	23.0	26.0	---	---
31	---		7.0	10.5	---	20.0	---	20.0	---	26.0	---	---
MAX	---		14.0	11.0	12.0	---	23.0	22.0	24.0	28.0	26.0	23.0
MIN	---		7.0	6.0	5.0	---	15.0	17.0	19.0	22.0	21.0	17.0

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200	1200	1000	820	3000	1400	5800	5900	3600	290	---	---
2	3800	1200	1000	730	2900	1600	5500	5900	5200	230	320	1800
3	4000	1200	600	1000	2500	2200	5300	6000	5400	200	210	---
4	4200	---	1000	1600	2900	2800	---	5600	7700	200	---	1300
5	3500	1000	1100	1400	2900	3000	6900	4200	4400	120	79	1000
6	3900	1000	1000	1600	2700	2700	5900	4600	3800	43	130	1000
7	3500	1800	1000	1400	2300	2800	5800	4100	2800	52	130	1100
8	3600	1900	1000	1700	2000	3100	---	4300	1500	52	---	1000
9	3600	2000	1000	2300	1400	2600	6900	3700	---	46	160	---
10	3400	2000	1000	---	1500	2600	7100	3600	1400	33	160	1200
11	3300	2200	1000	---	1300	2500	6900	3900	240	69	160	1100
12	3000	2300	---	2300	820	2000	7200	3600	150	64	120	1200
13	3000	2700	---	2100	330	2100	7000	3500	170	65	250	1100
14	3000	4800	700	2300	180	2100	7000	3000	130	300	150	1200
15	3000	4500	600	2100	160	2100	7100	3200	110	270	120	1200
16	3300	3800	400	2100	160	2100	6800	3100	120	360	---	---
17	3800	4900	400	1700	170	2200	7000	3600	220	350	430	1100
18	4400	4000	500	1400	170	1300	7100	3700	330	---	330	1000
19	3800	3300	800	1200	160	1500	6700	3800	390	---	140	970
20	3400	3200	600	1600	110	1400	6800	3700	440	320	220	870
21	2800	3000	500	1200	91	2000	7100	3800	---	340	310	890
22	2400	3200	500	1200	98	2200	6400	4000	420	350	830	860
23	1900	3000	500	1100	120	1300	6600	4200	450	370	890	---
24	2000	2300	1000	1400	120	1100	6200	4100	450	400	1100	---
25	1500	2400	600	1600	120	1300	6200	4200	390	520	---	---
26	1500	2100	1200	2400	180	1300	6500	4200	420	---	---	---
27	1600	2000	2000	2600	860	1700	6300	---	390	620	---	---
28	1600	1800	2000	2800	1100	2400	6300	4100	260	---	---	---
29	1300	1500	1800	2900	---	4600	6300	4200	260	700	---	---
30	1200	1100	1500	3000	---	6900	6400	4100	680	640	---	---
31	1000	---	1200	2900	---	6000	---	3500	---	560	---	---
MAX	4400	4900	2000	3000	3000	6900	7200	6000	7700	700	1100	1800
MIN	1000	1000	400	730	91	1100	5300	3000	110	33	79	860

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)

LOCATION.--Lat 29°47'05", long 92°11'53", T.14 S., R.3 E., Vermilion Parish, Hydrologic Unit 08080103, on north bank at west end of lock and 2.5 mi (4.0 km) west of Intracoastal City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to January 1981 (discontinued).

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to current year.
CHLORIDE: October 1974 to October 1978, December 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 35.0°C July 26, Aug. 1, 1977; minimum daily, 4.0°C Jan. 20-22, 1981.
CHLORIDE: Maximum daily, 8,200 mg/L Apr. 23, 1981; minimum daily, 3.0 mg/L July 15, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 25.0°C July 22; minimum daily, 4.0°C Jan. 20-22.
CHLORIDE: Maximum daily, 8,200 mg/L Apr. 23; minimum daily 39 mg/L July 6.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 30...	1245	2850	7.1	15	120	<1.0	8.2	37	1.0	K180	K40	310
NOV 20...	1147	9120	7.7	10	75	<1.0	8.0	110	1.2	--	K85	990
DEC 12...	1506	2910	7.3	30	70	<1.0	8.8	69	1.0	K100	96	300
JAN 22...	1055	6310	7.1	20	160	<1.0	9.9	160	1.7	640	K260	810

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 30...	270	35	54	460	20	38	110	850	145	.30	.02	.32
NOV 20...	940	85	190	1600	62	52	420	2800	92	.10	.00	.10
DEC 12...	260	30	54	490	16	36	110	840	162	.21	.02	.23
JAN 22...	760	60	160	1100	34	49	280	2100	264	.21	.01	.22

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 30...	1.2	.19	1	1	0	0	0	0	0	0	10	3
NOV 20...	.76	.24	1	0	0	0	0	1	20	0	7	3
DEC 12...	1.1	.07	1	1	0	0	0	0	20	0	5	3
JAN 22...	1.3	.22	2	0	0	0	0	0	50	0	9	3

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
30...	100	5	2	.2	.0	9	0	0	0	30	20	--
NOV												
20...	50	5	1	.0	.0	5	1	0	0	20	20	7.8
DEC												
12...	50	4	1	.1	.1	7	4	0	0	30	30	15
JAN												
22...	10	10	0	.1	.1	10	0	0	0	30	20	15

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT											
30...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
NOV											
20...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC											
12...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN											
22...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT											
30...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
NOV											
20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC											
12...	.001	<.001	<.001	<.01	<.001	<.001	<.001	.01	<.01	<.01	<.01
JAN											
22...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
30...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	6.02	.000
NOV											
20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	5.08	.000
DEC											
12...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	1.59	.000
JAN											
22...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01	7.60	.000

< Actual value is known to be less than the value shown.

294705092115300 INTRACOASTAL WATERWAY AT VERMILION LOCK (WEST), NEAR INTRACOASTAL CITY, LA (CE 76800)--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		15.0	---	6.0	9.0	12.0	16.0	19.0	20.0	23.0	22.0	---
2		15.0	---	6.0	8.0	13.0	16.0	19.0	21.0	21.0	21.0	20.0
3		15.0	---	6.0	7.0	12.0	16.0	19.0	19.0	21.0	20.0	19.0
4		15.0	---	6.0	6.0	12.0	17.0	19.0	20.0	20.0	22.0	18.0
5		15.0	---	6.0	6.0	12.0	17.0	19.0	20.0	21.0	22.0	20.0
6		14.0	---	6.0	6.0	12.0	17.0	17.0	21.0	19.0	20.0	20.0
7		14.0	---	6.0	6.0	12.0	17.0	17.0	21.0	19.0	22.0	21.0
8		14.0	---	6.0	6.0	12.0	17.0	17.0	21.0	21.0	21.0	19.0
9		14.0	---	6.0	7.0	12.0	16.0	17.0	21.0	21.0	21.0	19.0
10		14.0	---	6.0	8.0	11.0	16.0	17.0	21.0	22.0	21.0	19.0
11		14.0	---	6.0	5.0	11.0	16.0	17.0	21.0	19.0	21.0	19.0
12		14.0	---	6.0	5.0	11.0	17.0	17.0	21.0	21.0	21.0	19.0
13		14.0	9.0	6.0	5.0	11.0	18.0	18.0	21.0	20.0	22.0	19.0
14		14.0	9.0	---	9.0	12.0	19.0	17.0	21.0	23.0	23.0	19.0
15		---	9.0	---	7.0	12.0	19.0	18.0	21.0	23.0	23.0	20.0
16		---	9.0	---	8.0	12.0	18.0	19.0	21.0	22.0	23.0	20.0
17		---	9.0	5.0	8.0	12.0	19.0	18.0	21.0	22.0	23.0	20.0
18		10.0	9.0	5.0	7.0	12.0	19.0	18.0	22.0	---	23.0	19.0
19		10.0	9.0	5.0	9.0	12.0	18.0	19.0	22.0	23.0	24.0	19.0
20		10.0	9.0	4.0	8.0	12.0	18.0	17.0	22.0	23.5	22.0	19.0
21		10.0	9.0	4.0	8.0	12.0	19.0	16.5	22.0	23.5	21.0	20.0
22		9.0	9.0	4.0	10.0	12.0	18.0	16.0	22.0	25.0	22.0	20.0
23		8.0	9.0	5.0	10.0	12.0	18.0	16.5	22.0	23.0	22.0	20.0
24		9.0	8.0	5.0	10.0	11.0	19.0	16.5	22.0	23.0	22.0	20.0
25		9.0	5.0	8.0	9.0	13.0	18.0	18.0	22.0	20.0	21.0	19.0
26		9.0	5.0	8.0	11.0	12.0	17.0	17.0	22.0	20.0	21.0	20.0
27		8.0	5.0	---	10.0	12.5	17.0	18.0	22.0	20.0	21.0	20.0
28		9.0	5.0	7.0	10.0	13.0	18.0	19.0	22.0	22.0	21.0	20.0
29		9.0	5.0	8.0	---	14.0	18.0	19.0	22.0	22.0	---	20.0
30		9.0	5.0	9.0	---	15.0	19.0	20.0	22.0	22.0	---	20.0
31		---	5.0	8.0	---	16.0	---	20.0	---	21.0	---	---
MAX		15.0	---	9.0	11.0	16.0	19.0	20.0	22.0	25.0	24.0	21.0
MIN		8.0	---	4.0	5.0	11.0	16.0	16.0	19.0	19.0	20.0	18.0

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4500	700	900	700	3000	1500	5100	5100	3800	190	420	---
2	4000	1100	800	550	2900	1800	5200	6000	3700	170	130	1900
3	4000	1200	500	500	2500	2100	5300	5400	3600	120	240	1600
4	3700	1200	800	1600	2800	2300	6900	6200	3400	85	280	1500
5	3800	800	800	1400	2800	2900	5000	5100	3500	100	280	1000
6	3600	900	1100	---	2500	2700	5300	5100	3800	39	78	980
7	3200	1600	900	1200	2000	2600	5600	4500	3700	42	85	980
8	3400	1900	1000	1200	1700	2900	6000	4600	3800	44	120	940
9	3300	1800	950	2200	1200	2800	6900	3900	3600	42	200	990
10	3100	2100	950	2400	1200	2500	7100	4000	1100	60	240	1100
11	3000	2000	950	2300	990	2300	8100	3900	1000	70	160	1000
12	3200	2300	900	---	680	2000	7500	3400	1100	70	97	1000
13	3000	2400	850	2300	920	2800	7900	3400	990	170	150	1100
14	2600	3200	600	2100	570	2800	7700	3400	370	---	190	1200
15	2600	---	450	2200	320	2800	7400	3100	400	300	180	960
16	2700	---	350	1800	150	2900	7600	3000	100	360	290	1300
17	3300	---	250	1800	140	1100	7600	3600	210	450	400	1100
18	4000	3800	350	1700	130	1000	7800	3600	210	400	260	1000
19	3200	3400	800	1300	180	1200	7700	3700	390	400	220	940
20	3000	3100	600	1100	150	1200	7800	3600	450	340	90	870
21	2400	2800	450	1100	130	1500	8000	3400	460	380	130	860
22	2100	2800	250	840	180	1800	6900	3100	430	380	490	940
23	1500	2900	500	700	200	1300	8200	4200	460	430	740	910
24	1600	2600	800	560	96	1100	5500	3800	430	440	960	880
25	1500	2300	450	500	94	1100	6000	4100	410	180	1100	760
26	1500	2200	800	800	76	1100	5100	4200	400	660	1100	950
27	1500	2000	750	2800	690	1500	6700	4000	360	790	1600	920
28	1500	1700	1800	2800	1200	2400	4800	4100	390	760	1700	930
29	1200	1200	1600	3000	---	4300	5500	4100	300	640	---	940
30	1100	1000	1400	3000	---	5500	5600	4100	460	500	---	1400
31	900	---	1000	2900	---	5600	---	3800	---	500	---	---
MAX	4500	3800	1800	3000	3000	5600	8200	6200	3800	790	1700	1900
MIN	900	700	250	500	76	1000	4800	3000	100	39	78	760

294528092154801 SCHOONER BAYOU (INLAND WATERWAY) EAST OF CONTROL STRUCTURE, NEAR FORKED ISLAND, LA

LOCATION.--Lat 29°45'28", long 92°15'48", T.15 S., R.2 E., Vermilion Parish, Hydrologic Unit 08080202, at southeast fender of structure and 5.4 mi (8.7 km) southeast of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to current year.
CHLORIDE: October 1974 to October 1978, December 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 76600.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 19-24, 1980, July 19, 21, 23, 1981; minimum daily, 1.0°C Jan. 10, 1977.
CHLORIDE: Maximum daily, 8,400 mg/L Apr. 4, 1981; minimum daily, 25 mg/L June 9, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 19, 21, 23; minimum daily, 6.0°C Jan. 18.
CHLORIDE: Maximum daily, 8,400 mg/L Apr. 4; minimum daily, 160 mg/L Aug. 1.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	9.0	9.0	12.0	15.0	22.5	25.5	26.0	28.0	30.0	26.0
2		---	9.0	9.0	11.0	17.0	20.0	25.0	27.0	28.0	28.0	25.0
3		---	12.0	9.0	10.0	17.0	22.0	25.0	27.0	27.0	30.5	27.0
4		---	14.0	11.0	10.0	18.0	22.5	25.0	27.0	27.0	28.0	27.5
5		---	13.0	10.0	9.5	17.0	20.0	24.0	27.0	27.0	29.0	25.0
6		---	14.0	11.0	10.0	15.0	20.0	22.0	27.0	26.0	29.0	28.0
7		18.0	17.0	11.0	11.0	---	21.0	22.0	27.0	26.5	29.0	23.0
8		19.0	19.0	10.0	10.0	16.0	22.0	22.0	27.0	27.0	27.5	26.0
9		19.0	18.0	12.0	10.0	16.0	22.0	23.0	27.0	28.5	29.5	29.0
10		19.0	15.0	10.0	10.5	15.0	21.5	23.0	27.0	28.0	28.0	27.5
11		17.0	12.0	8.5	9.5	12.0	23.0	23.0	27.0	27.0	28.0	24.0
12		17.0	13.0	10.0	7.0	16.0	24.0	21.0	27.0	25.0	27.0	27.5
13		18.0	12.0	8.0	9.0	17.0	24.0	23.0	27.5	27.5	28.0	24.0
14		18.0	13.0	10.0	7.5	16.0	23.0	24.0	27.5	28.0	24.5	24.0
15		18.0	13.0	9.0	7.0	17.0	25.0	22.0	27.5	29.0	26.0	25.0
16		18.0	13.0	10.0	9.5	15.0	25.0	25.0	27.5	29.0	26.0	23.0
17		15.0	14.0	10.0	10.0	16.0	25.0	23.0	27.5	30.0	27.0	22.0
18		15.0	14.0	6.0	12.0	19.0	25.0	25.0	27.5	30.0	27.0	24.5
19		12.0	14.0	9.0	12.0	16.0	24.0	25.0	27.5	32.0	31.0	22.5
20		12.0	14.0	9.0	16.0	15.0	24.0	22.0	27.5	30.0	27.0	24.0
21		12.0	14.0	7.5	16.0	20.0	26.0	21.0	27.5	32.0	26.0	24.0
22		12.0	14.0	---	17.0	21.0	26.0	22.0	27.5	30.0	30.0	23.0
23		12.0	14.0	9.0	16.0	15.0	25.0	23.0	27.5	32.0	30.0	21.0
24		12.0	14.0	8.5	15.0	15.5	24.0	24.0	27.5	---	29.0	25.0
25		10.0	10.0	10.0	15.0	16.0	24.0	25.0	27.5	---	25.0	26.0
26		13.0	10.0	11.0	15.0	16.5	24.0	24.0	27.0	---	28.0	24.0
27		10.0	10.0	11.0	17.0	16.0	24.0	25.0	27.5	---	26.0	24.0
28		9.0	10.0	11.0	17.0	18.0	24.0	27.0	28.5	---	28.5	25.0
29		9.0	10.0	11.0	---	20.0	25.0	28.0	29.0	---	27.5	27.0
30		9.0	10.0	15.5	---	20.0	25.0	26.0	28.0	---	27.0	27.0
31		---	10.0	12.0	---	20.0	---	29.0	---	---	28.0	---
MAX		19.0	19.0	15.5	17.0	21.0	26.0	29.0	29.0	32.0	31.0	29.0
MIN		9.0	9.0	6.0	7.0	12.0	20.0	21.0	26.0	25.0	24.5	21.0

294528092154801 SCHOONER BAYOU (INLAND WATERWAY) EAST OF CONTROL STRUCTURE, NEAR FORKED ISLAND, LA --Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2100	800	300	1200	1600	---	7200	6200	4300	- -	160	1100
2	1400	800	300	---	1700	1100	6800	6500	4300	---	210	1700
3	1400	800	650	1600	1400	1100	6300	6100	4200	---	790	1600
4	1000	900	650	1700	3500	3400	8400	5600	4200	1100	790	840
5	1700	700	220	1300	1400	3400	6900	4600	4300	630	780	590
6	1100	1000	240	870	3100	1200	6800	4900	4300	410	780	630
7	1100	1100	320	1500	3800	2000	6900	4700	1100	340	670	500
8	1600	1300	420	1500	3300	2300	7800	4600	1400	340	560	490
9	2400	1400	770	1800	2800	2800	7200	4700	520	530	670	650
10	1200	1400	500	1800	2600	2700	7600	4600	1400	420	690	710
11	1200	1400	490	1300	400	2500	7600	4100	290	180	630	900
12	1100	1500	360	1700	700	1500	8100	4300	1100	690	700	1200
13	1300	3000	370	1400	440	2700	7700	4100	1500	910	790	1300
14	1000	6000	610	830	680	3300	7800	4600	1900	880	920	1400
15	2500	5400	720	1200	800	2300	7600	4200	2200	900	840	1500
16	3200	4400	760	2300	740	3100	7800	4100	1100	990	740	290
17	3700	5400	700	1200	700	940	7600	3900	880	930	660	340
18	4700	2500	680	730	500	1300	7500	3800	980	900	700	590
19	3100	1600	210	770	700	720	7600	4000	900	900	610	490
20	230	1400	---	1800	620	760	7400	4000	930	800	740	490
21	380	1300	680	970	620	1300	7100	3900	910	860	680	390
22	540	2700	740	---	680	3200	7000	4000	970	840	680	870
23	480	3000	740	1000	710	1300	7100	4400	930	790	1300	340
24	520	2900	1000	1500	690	400	7000	4400	940	---	1300	350
25	850	1900	770	2000	630	590	7000	4500	790	---	1100	390
26	690	600	---	2000	670	510	6900	4400	990	---	1100	450
27	1200	1000	---	2200	760	1100	6800	4500	930	---	1500	630
28	---	800	1200	2100	840	1100	6400	4500	910	---	1900	670
29	700	700	740	1700	---	5700	6400	4500	890	---	1500	760
30	800	300	860	2600	---	7100	6200	4600	1000	---	1700	840
31	900	---	810	1700	---	6500	---	4400	---	---	1700	---
MAX	4700	6000	1200	2600	3800	7100	8400	6500	4300	1100	1900	1700
MIN	230	300	210	730	400	400	6200	3800	290	180	160	290

293316092182000 FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (NORTH), NEAR FORKED ISLAND, LA (CE 76592)

LOCATION.--Lat 29°33'16", long 92°18'20", T.16 S., R.2 E., Vermilion Parish, Hydrologic Unit 08080202, on north side of lock and 18.9 mi (30.4 km) south of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to current year.
CHLORIDE: October 1974 to October 1978, December 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 4, 24, 1978; minimum daily, 5.0°C Jan. 20, 1978, Jan. 24, Feb. 12, 1981.
CHLORIDE: Maximum daily, 17,000 mg/L Mar. 31, 1981; minimum daily, 280 mg/L May 15, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.5°C July 30; minimum daily, 5.0°C Jan. 24, Feb. 12.
CHLORIDE: Maximum daily, 17,000 mg/L Mar. 31; minimum daily, 2,800 mg/L July 2.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	15.0	12.0	11.0	10.0	14.0	22.0	25.5	24.0	28.5	30.0	28.0
2	26.0	17.0	12.0	11.0	7.0	14.0	21.0	26.0	28.0	28.5	29.5	28.0
3	25.0	14.0	12.0	11.0	7.0	14.0	21.0	25.0	24.0	28.5	29.5	28.0
4	24.0	15.0	12.0	11.0	11.0	14.0	21.0	25.0	28.0	28.5	30.0	28.0
5	24.0	16.0	14.0	10.0	10.5	14.0	22.0	25.0	28.0	28.5	30.0	18.0
6	22.0	16.0	14.0	10.0	11.0	13.0	21.0	24.0	28.0	29.0	---	28.0
7	20.0	18.0	14.0	10.0	11.0	13.0	21.0	24.0	28.0	27.0	28.0	29.0
8	21.0	19.0	14.0	10.0	11.5	13.0	21.0	23.0	28.0	29.0	26.5	29.0
9	22.0	20.0	14.0	9.0	12.0	13.0	21.0	24.0	27.0	28.0	26.5	28.0
10	22.0	21.0	14.0	9.0	11.0	12.0	22.0	24.0	29.0	30.0	27.5	28.0
11	22.0	20.0	16.0	9.0	6.0	16.0	23.0	22.0	29.0	29.0	30.0	27.0
12	22.0	18.0	16.0	9.0	5.0	16.0	23.0	23.0	26.5	30.0	29.0	28.0
13	23.0	17.0	16.0	9.0	9.5	17.0	23.0	24.0	27.5	30.0	29.0	28.0
14	23.0	20.0	16.0	6.0	8.0	17.0	24.0	24.0	28.0	28.5	30.0	26.0
15	23.0	21.0	16.0	6.0	10.0	17.0	24.0	24.0	28.5	30.0	30.5	28.0
16	23.0	19.0	---	10.0	9.0	17.0	24.0	24.0	28.5	29.0	30.0	27.0
17	23.0	18.0	---	10.0	8.0	17.0	25.0	24.0	26.5	30.0	30.0	25.0
18	23.0	17.0	8.0	8.5	6.0	13.0	25.0	25.0	29.0	30.0	30.0	24.0
19	23.0	14.0	10.0	9.0	7.0	13.0	25.0	26.0	29.0	30.0	28.0	25.0
20	23.0	13.0	10.0	8.5	14.0	13.0	25.0	24.0	29.0	30.0	30.0	23.0
21	23.0	10.0	10.0	9.0	14.0	11.0	25.0	23.0	29.0	30.5	29.0	24.0
22	23.0	10.0	10.0	10.0	16.0	16.0	25.0	23.0	29.0	26.5	29.0	25.0
23	23.0	10.0	10.0	9.0	16.0	15.0	25.0	24.0	28.0	28.5	29.0	25.0
24	23.0	10.0	10.0	5.0	14.0	17.0	20.5	25.0	29.5	30.0	29.0	24.0
25	18.0	10.0	8.0	6.0	14.0	12.0	20.0	25.0	29.0	30.0	29.0	26.0
26	19.0	14.0	8.0	8.0	14.0	12.0	20.0	25.0	29.0	29.0	26.0	26.0
27	21.0	14.0	8.0	13.0	14.0	18.5	20.0	26.0	28.0	---	30.0	26.0
28	21.0	14.0	8.0	9.5	14.0	18.0	24.0	26.0	29.5	30.0	29.0	27.0
29	18.0	14.0	8.0	10.5	---	19.5	26.0	25.0	29.0	30.0	29.0	27.0
30	16.0	14.0	8.0	10.0	---	20.0	26.0	26.0	29.0	31.5	29.0	27.0
31	14.0	---	---	9.0	---	20.0	---	24.0	---	29.5	30.0	---
MAX	26.0	21.0	16.0	13.0	16.0	20.0	26.0	26.0	29.5	31.5	30.5	29.0
MIN	14.0	10.0	8.0	5.0	5.0	11.0	20.0	22.0	24.0	26.5	26.0	18.0

293316092182000 FRESHWATER CANAL AT FRESHWATER BAYOU LOCK (NORTH), NEAR FORKED ISLAND, LA (CE 76592)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8600	9000	8000	8500	9000	9900	8800	9300	10000	3400	6400	4800
2	8400	9800	6400	9000	8600	9300	8700	11000	8000	2800	8600	4500
3	9000	10000	7400	9500	8800	9800	8100	10000	9100	3900	4600	4500
4	11000	11000	7800	10000	8600	9000	7500	10000	8000	3900	8000	4100
5	13000	9800	9600	10000	8800	8200	7400	8800	9800	3800	7900	5900
6	13000	9300	7000	7300	9000	8000	11000	8800	7000	3200	---	5800
7	11000	11000	6800	6900	8800	8300	9900	12000	6700	3600	7700	6500
8	11000	11000	6600	8700	8300	10000	9000	13000	8000	3300	7000	4700
9	10000	9800	6000	7400	7700	9900	8500	11000	7400	3600	12000	6400
10	11000	9800	9300	9000	7300	8400	8000	10000	7600	3400	9800	8000
11	10000	9000	8900	10000	7900	8500	7800	9400	7700	4600	11000	7200
12	9800	9400	12000	10000	7900	8500	7500	11000	6200	3700	7700	6800
13	13000	11000	13000	12000	7300	7900	7600	11000	5700	3300	7800	5900
14	10000	6300	12000	10000	7400	7400	7400	11000	5700	3100	8000	5900
15	9400	9000	11000	11000	7200	7500	7400	9800	5000	3800	7600	5700
16	9400	10000	8000	10000	7500	7600	7300	11000	4500	6600	7200	6300
17	9700	9000	9000	12000	7900	8100	7100	11000	4600	9400	8700	11000
18	8100	9600	11000	11000	8400	9800	7200	10000	5600	9700	9100	11000
19	8000	8000	8600	11000	8600	7800	6800	8800	5900	10000	11000	8800
20	8100	8600	8700	9100	9700	7600	6400	8000	6600	10000	10000	8800
21	8700	8600	8800	11000	11000	11000	8400	10000	5500	11000	11000	7500
22	8000	9300	7400	12000	11000	10000	9300	10000	5800	12000	11000	6900
23	8700	8200	8000	12000	11000	9500	9500	9700	5200	11000	7500	6700
24	9400	8000	8300	11000	9700	11000	9600	9100	5700	9000	9500	6600
25	8300	8700	7100	11000	9900	9900	11000	8800	5200	7300	8500	6600
26	11000	8000	10000	13000	9900	8700	9400	9100	5100	9100	8100	6200
27	9800	9100	7400	11000	9800	10000	9100	8200	4900	5800	7800	5500
28	6400	7500	8100	10000	11000	9800	8800	8700	3500	7400	7100	5700
29	6900	7300	8000	11000	---	9300	8600	9600	3600	7100	5100	5700
30	8500	8000	9500	12000	---	8600	8400	9900	3400	8200	5200	5200
31	9800	---	---	8500	---	17000	---	9900	---	8200	5200	---
MAX	13000	11000	13000	13000	11000	17000	11000	13000	10000	12000	12000	11000
MIN	6400	6300	6000	6900	7200	7400	6400	8000	3400	2800	4600	4100

294528092155000 SCHOONER BAYOU (INLAND WATERWAY) WEST OF CONTROL STRUCTURE, NEAR FORKED ISLAND, LA

(Formerly published as 294528092154800 Schooner Bayou (Inland Waterway) west of Control Structure, near Forked Island, LA)

LOCATION.--Lat 29°45'28", long 92°15'50", T.15 S., R.2 E., Vermilion Parish, Hydrologic Unit 08080202, at southwest fender of structure and 5.4 mi (8.7 km) southeast of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to current year.
CHLORIDE: October 1974 to October 1978, December 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers staiton 76680.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 19-24, 1980, July 19, 21, 23, 1981; minimum daily, 1.0°C Jan. 10, 1977.
CHLORIDE: Maximum daily, 6,300 mg/L Aug. 10, 1980; minimum daily, 10 mg/L Jan. 12, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 32.0°C July 19, 21, 23; minimum daily, 6.0°C Jan. 18.
CHLORIDE: Maximum daily, 5,900 mg/L Nov. 14; minimum daily, 72 mg/L July 11.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	9.0	9.0	12.0	15.0	22.5	25.5	25.5	---	30.0	26.0
2		---	9.0	9.0	11.0	17.0	20.0	25.0	27.0	---	28.0	23.0
3		---	12.0	9.0	10.0	17.0	22.0	25.0	27.0	---	30.5	27.0
4		---	14.0	11.0	10.0	18.0	22.5	25.0	27.0	27.0	28.0	22.0
5		---	13.0	10.0	9.5	17.0	20.0	24.0	27.0	27.0	29.0	23.0
6		---	14.0	11.0	10.0	15.0	20.0	22.0	27.0	26.0	29.0	22.0
7		18.0	17.0	11.0	11.0	16.5	21.0	22.0	27.0	26.5	29.0	22.0
8		19.0	19.0	10.0	10.0	16.0	22.0	22.0	27.0	27.0	27.5	23.0
9		19.0	18.0	12.0	10.0	16.0	22.0	23.0	27.0	28.5	29.5	29.0
10		19.0	15.0	10.0	10.5	16.0	21.5	23.0	27.0	28.0	28.0	23.0
11		17.0	12.0	8.5	9.5	---	23.0	23.0	27.0	27.0	28.0	19.5
12		17.0	13.0	10.0	7.0	16.0	24.0	21.0	27.0	25.0	27.0	22.5
13		18.0	---	8.0	9.0	17.0	24.0	23.0	27.5	27.5	28.0	19.0
14		18.0	---	10.0	7.5	16.0	23.0	24.0	27.5	28.0	24.5	23.0
15		18.0	---	9.0	7.0	17.0	25.0	22.0	27.5	29.0	26.0	19.5
16		18.0	---	10.0	9.5	15.0	25.0	25.0	27.5	29.0	26.0	23.0
17		15.0	14.0	10.0	10.0	16.0	25.0	23.0	27.5	30.0	27.0	20.0
18		15.0	14.0	6.0	12.0	19.0	25.0	25.0	27.5	30.0	27.0	19.0
19		12.0	14.0	9.0	12.0	16.0	24.0	25.0	27.5	32.0	31.0	18.0
20		12.0	14.0	9.0	16.0	15.0	24.0	22.0	27.5	30.0	27.0	18.0
21		12.0	14.0	7.5	16.0	20.0	26.0	21.0	27.5	32.0	26.0	17.0
22		12.0	14.0	---	17.0	21.0	26.0	22.0	27.5	30.0	30.0	19.0
23		12.0	14.0	9.0	16.0	15.0	25.0	23.0	27.5	32.0	30.0	21.0
24		12.0	14.0	8.5	15.0	15.5	24.0	24.0	27.5	30.5	29.0	25.0
25		10.0	10.0	10.0	15.0	16.0	24.0	25.0	27.5	31.0	25.0	26.0
26		13.0	10.0	11.0	15.0	16.5	24.0	24.0	27.0	29.0	28.0	24.0
27		10.0	10.0	11.0	17.0	16.0	24.0	25.0	27.5	27.0	26.0	24.0
28		9.0	10.0	11.0	17.0	18.0	24.0	27.0	28.5	28.5	28.5	25.0
29		9.0	10.0	11.0	---	20.0	25.0	28.0	29.0	30.5	27.0	27.0
30		9.0	10.0	15.5	---	20.0	25.0	26.0	28.0	29.0	28.0	27.0
31		---	10.0	12.0	---	20.0	---	29.0	---	28.0	26.0	---
MAX		19.0	19.0	15.5	17.0	21.0	26.0	29.0	29.0	32.0	31.0	29.0
MIN		9.0	9.0	6.0	7.0	15.0	20.0	21.0	25.5	25.0	24.5	17.0

294528092155000 SCHOONER BAYOU (INLAND WATERWAY) WEST OF CONTROL STRUCTURE, NEAR FORKED ISLAND, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2200	800	300	500	1300	660	390	2600	2000	---	600	1700
2	1400	800	400	1300	1400	1100	810	2800	1500	---	750	1800
3	1300	800	330	1600	1000	1000	690	2600	1200	---	780	1500
4	1100	900	490	1700	880	1500	1100	3000	780	530	760	1300
5	1200	800	240	1100	1200	750	750	1400	4000	680	710	1000
6	1100	1000	250	770	620	1200	440	1200	2600	440	750	1000
7	900	700	290	1400	240	1900	570	900	1200	340	670	1100
8	---	1200	390	1900	130	2600	530	930	1400	300	510	1000
9	1000	800	170	1800	100	1200	670	660	410	620	690	670
10	1000	1000	110	1100	110	1500	630	660	1200	200	720	1200
11	1200	900	470	820	130	1600	820	870	420	72	650	1100
12	1000	1500	400	870	210	1400	920	880	380	720	700	1200
13	1300	3200	290	790	400	1000	930	860	310	920	800	1100
14	1000	5900	600	780	530	1100	1100	550	450	900	670	1200
15	2000	5500	730	730	690	1800	1300	500	540	900	680	1200
16	---	4400	740	3200	700	1300	1700	600	690	920	770	230
17	---	5300	710	710	690	870	1800	730	810	960	670	1100
18	---	2400	660	770	690	1300	1300	1600	1000	880	700	1000
19	3200	---	---	760	510	700	1200	690	900	860	660	970
20	300	1300	140	1700	790	760	1600	910	900	800	680	870
21	310	1300	630	1100	640	1200	2000	1400	950	910	680	890
22	560	1500	770	---	670	3100	2400	1400	970	850	1400	860
23	570	3100	740	1200	680	1100	2400	1700	940	850	980	280
24	550	---	1000	---	640	740	2800	1600	920	850	890	320
25	870	1700	---	2000	620	620	2500	1200	930	830	270	320
26	720	600	1800	720	730	720	1700	930	970	420	970	390
27	960	1000	2000	1900	550	760	1500	1600	900	1100	1200	360
28	---	800	1300	780	550	1200	1700	1900	880	600	540	440
29	770	600	1000	1800	---	1100	1400	1900	890	200	540	540
30	760	300	900	980	---	410	2100	2000	750	320	940	300
31	780	---	800	1600	---	390	---	2300	---	150	970	---
MAX	3200	5900	2000	3200	1400	3100	2800	3000	4000	1100	1400	1800
MIN	300	300	110	500	100	390	390	500	310	72	270	230

294625092244000 WHITE LAKE IN NORTHEAST CORNER, NEAR LITTLE PRAIRIE RIDGE, NEAR FORKED ISLAND, LA

LOCATION.--Lat 29°46'25", long 92°24'40", R.1 E., T.15 E., Vermilion Parish, Hydrologic Unit 08080202, 7.2 mi (11.6 km) southwest of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 96123.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT												
30...	1210	2740	7.1	10	35	<1.0	10.4	43	1.4	K60	K10	300
NOV												
20...	1246	4130	7.1	5	20	<1.0	11.2	45	2.6	--	K10	430
DEC												
12...	1409	2320	6.9	20	40	<1.0	11.8	32	2.6	--	96	230
JAN												
22...	1145	2590	6.7	10	45	<1.0	12.0	29	1.4	<5	<4	280

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT												
30...	280	34	52	440	18	23	120	790	63	.00	.01	.01
NOV												
20...	410	42	80	640	23	26	170	1200	40	.01	.00	.01
DEC												
12...	210	24	41	360	12	19	98	630	60	.12	.02	.14
JAN												
22...	260	28	51	410	14	18	120	750	76	.09	.01	.10

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT												
30...	1.4	.10	1	0	0	0	0	0	0	0	3	3
NOV												
20...	.81	.05	0	0	0	0	0	1	0	0	6	3
DEC												
12...	1.3	.46	1	0	0	0	0	0	20	0	5	2
JAN												
22...	.61	.02	1	0	0	0	0	0	0	0	6	2

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294625092244000 WHITE LAKE IN NORTHEAST CORNER, NEAR LITTLE PRAIRIE RIDGE, NEAR FORKED ISLAND, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
30...	50	4	0	.1	.0	6	0	0	0	20	10	--
NOV												
20...	30	13	2	.0	.0	2	0	0	0	30	20	8.0
DEC												
12...	30	3	0	.2	.1	3	0	0	0	30	10	12
JAN												
22...	30	7	2	.1	.0	4	0	0	0	20	10	7.8

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT											
30...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV											
20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC											
12...	.00	9	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN											
22...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT											
30...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV											
20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC											
12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
22...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
30...	.00	.00	.00	.0	.00	.00	.00	.00	.00	27.4	.000
NOV											
20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	13.1	.000
DEC											
12...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	18.5	.910
JAN											
22...	<.01	<.01	<.01	<.1	<.01	.01	<.01	<.01	<.01	6.24	.000

< Actual value is known to be less than the value shown.

294333092272000 WHITE LAKE (EAST SIDE), 4.8 MILES WEST OF SCHOONER BAYOU, NEAR FORKED ISLAND, LA

LOCATION.--Lat 29°43'33", long 92°27'20", T.15 S., R.1 W., Vermilion Parish, Hydrologic Unit 08080202, 12.0 mi (19.3 km) southwest of Forked Island.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 70690.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 30...	1200	2740	7.1	5	30	<1.0	10.5	41	1.4	K20	K5	300
NOV 20...	1239	2850	7.0	10	30	<1.0	11.2	35	2.1	--	<5	300
DEC 12...	1415	2640	7.1	0	40	<1.0	11.7	27	2.5	K20	K8	270
JAN 22...	1140	2600	6.7	10	45	<1.0	11.8	29	1.4	<5	<4	280

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 30...	270	33	52	440	18	23	120	810	95	.00	.01	.01
NOV 20...	280	31	54	440	160	21	140	860	50	.01	.00	.01
DEC 12...	250	28	49	420	14	20	110	750	64	.08	.01	.09
JAN 22...	270	28	52	410	14	18	120	750	76	.07	.02	.09

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 30...	1.0	.11	1	1	10	0	0	1	0	0	4	2
NOV 20...	.72	.05	0	0	0	0	1	0	0	0	7	3
DEC 12...	.61	.09	1	0	0	0	0	0	20	0	3	2
JAN 22...	1.0	.08	1	0	0	0	0	0	0	0	6	3

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294333092272000 WHITE LAKE (EAST SIDE), 4.8 MILES WEST OF SCHOONER BAYOU, NEAR FORKED ISLAND, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT												
30...	50	4	1	.1	.0	9	1	0	0	30	20	--
NOV												
20...	10	5	2	.1	.0	3	0	0	0	20	10	9.2
DEC												
12...	10	3	1	.1	.1	2	0	0	0	--	40	8.0
JAN												
22...	30	4	1	.1	.1	4	0	0	0	10	10	8.2

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT											
30...	.00	2	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV											
20...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
DEC											
12...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN											
22...	.00	1	--	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT											
30...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV											
20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC											
12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
22...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
30...	.00	.00	.00	.0	.00	.00	.00	.00	.00	28.0	.000
NOV											
20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	26.7	.000
DEC											
12...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	22.3	.000
JAN											
22...	<.01	<.01	<.01	<.1	<.01	.01	<.01	<.01	<.01	8.00	.000

< Actual value is known to be less than the value shown.

295223092501800 GRAND LAKE NORTHEAST OF CATFISH POINT CONTROL STRUCTURE NEAR GRAND CHENIERE, LA

(Formerly published as 294530092360000 Grand Lake Northeast of Catfish Point Control Structure near Grand Cheniere, LA)

LOCATION.--Lat 29°52'23", long 92°50'18", T.13 S., R.4 W., Cameron Parish, Hydrologic Unit 08080202, 7.7 mi (12.4 km) northeast of Grand Cheniere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 96128.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 30...	1105	2990	7.2	--	5	30	<1.0	10.4	36	.8	K75	K10
NOV 20...	1310	3110	7.4	--	10	20	<1.0	11.0	33	.8	--	K15
DEC 12...	1340	2280	7.3	--	5	25	<1.0	10.8	29	1.5	K10	K6
JAN 22...	1215	1800	7.2	--	30	60	<1.0	12.2	57	2.2	<5	<4
JUN 10...	1200	3970	7.3	29.5	5	2.0	<1.0	7.1	39	.5	470	<4
AUG 12...	0930	556	6.5	30.0	80	50	<1.0	6.8	51	1.2	K200	<10

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
OCT 30...	340	310	35	61	500	21	29	130	940	76	.00	.01
NOV 20...	330	290	34	59	500	19	41	100	920	33	.01	.00
DEC 12...	240	190	26	42	350	13	43	91	630	39	.03	.01
JAN 22...	190	150	22	32	280	11	37	77	490	98	.01	.03
JUN 10...	400	380	35	77	630	25	25	180	1200	25	.11	.03
AUG 12...	65	33	9.7	10	84	5.1	32	19	140	49	.01	.03

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
OCT 30...	.01	.72	.12	1	0	0	0	0	0	0	0	3
NOV 20...	.01	.86	.04	0	0	0	0	0	0	0	0	6
DEC 12...	.04	.65	.02	1	0	0	0	0	0	10	0	4
JAN 22...	.04	.83	.05	1	0	0	0	0	<1	0	0	6
JUN 10...	.14	1.5	.31	1	1	0	0	1	0	30	0	5
AUG 12...	.04	1.4	.12	3	1	0	<1	0	<1	0	0	10

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295223092501800 GRAND LAKE NORTHEAST OF CATFISH POINT CONTROL STRUCTURE NEAR GRAND CHENIERE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT 30...	3	20	1	3	.1	.0	6	1	0	0	10	10
NOV 20...	4	30	3	1	.0	.0	2	0	0	0	20	10
DEC 12...	2	20	4	0	.1	.1	2	0	0	0	30	30
JAN 22...	1	20	8	2	.1	.0	5	0	0	0	10	5
JUN 10...	3	20	18	2	.1	.0	15	1	0	0	--	20
AUG 12...	4	93	6	0	.1	.0	4	1	0	0	40	23

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 30...	--	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 20...	7.0	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
DEC 12...	7.6	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 22...	12	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JUN 10...	11	.00	9	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
AUG 12...	11	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.05

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 30...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 12...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 22...	.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JUN 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
AUG 12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 30...	.00	.00	.00	.0	.00	.00	.00	.00	.00	9.67	1.82
NOV 20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	2.84	.000
DEC 12...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	9.75	.000
JAN 22...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01	12.2	.190
JUN 10...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01	4.50	.000
AUG 12...	<.01	<.01	<.01	<.1	<.01	.01	<.01	<.01	<.01	3.96	.000

< Actual value is known to be less than the value shown.

08012420 MERMENTAU RIVER AT LACASSINE REFUGE, NEAR LOWRY, LA (CE 70600)

LOCATION.--Lat 30°00'10", long 92°46'37", in sec.16, T.12 S., R.4 W., Cameron Parish, Hydrologic Unit 08080202, 1.5 mi (2.4 km) southwest of Lowry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

REMARKS.--Additional chlorides were determined weekly.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH FIELD (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TUR-BID-ITY (NTU)	SETTLE-ABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARD-NESS (MG/L AS CACO3)
OCT 30...	1130	1140	7.4	20	20	<1.0	9.1	36	.8	K45	K30	150
NOV 20...	1340	846	7.2	40	20	<1.0	10.2	33	1.3	--	K40	120
DEC 12...	1326	176	7.1	120	65	<1.0	9.4	30	1.4	K280	60	36
JAN 22...	1225	1480	7.1	50	100	<1.0	11.4	76	1.0	120	K76	150

DATE	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 30...	71	24	22	170	10	79	41	300	24	.00	.01	.01
NOV 20...	36	20	16	120	7.7	80	25	210	21	.04	.00	.04
DEC 12...	0	8.3	3.7	21	4.1	36	14	28	45	.38	.04	.42
JAN 22...	130	19	25	220	9.0	19	55	400	184	.10	.01	.11

DATE	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL (UG/L AS CR)	CHRO-MIUM, HEXA-VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)
OCT 30...	.79	.18	2	1	0	<1	1	<1	0	0	3	2
NOV 20...	.90	.10	1	1	0	<1	0	<1	10	0	7	4
DEC 12...	1.0	.19	2	1	0	1	0	1	20	0	5	4
JAN 22...	.75	.05	2	0	0	0	0	<1	0	0	8	3

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08012420 MERMENTAU RIVER AT LACASSINE REFUGE, NEAR LOWRY, LA (CE 70600)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)
OCT												
30...	40	1	2	.1	.0	6	1	0	0	--	10	6
NOV												
20...	30	4	0	.0	.0	3	0	0	0	--	10	4
DEC												
12...	150	7	2	.1	.0	4	0	0	0	2.0	40	9
JAN												
22...	30	17	1	.1	.0	5	0	0	0	--	10	10

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT												
30...	--	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV												
20...	7.8	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
DEC												
12...	16	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN												
22...	18	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT											
30...	.001	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV											
20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC											
12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN											
22...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT											
30...	.00	.00	.00	.0	.00	.02	.00	.01	.00	13.9	.510
NOV											
20...	<.01	<.01	<.01	<.1	<.01	.02	.00	.01	.00	4.19	.000
DEC											
12...	<.01	<.01	<.01	<.1	<.01	.04	.04	.01	.00	2.58	.000
JAN											
22...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01	3.23	.000

< Actual value is known to be less than the value shown.

08012420 MERMENTAU RIVER AT LACASSINE REFUGE, NEAR LOWRY, LA (CE 70600)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT			
06...	0730	22.5	50
14...	0730	21.5	120
20...	0700	19.0	500
27...	0700	21.0	25
NOV			
03...	0700	16.5	160
23...	0700	13.0	120
DEC			
01...	0700	13.0	40
08...	0700	17.5	45
15...	0700	12.0	45
22...	0700	18.5	70
29...	0700	9.0	95
JAN			
05...	0700	9.5	90
12...	0700	8.5	85
19...	0700	8.0	140
26...	0700	11.0	56
FEB			
02...	0700	11.0	34
09...	0700	10.0	48
18...	0700	10.5	16
23...	0700	14.0	22
MAR			
02...	0700	17.0	21
09...	0700	15.5	20
16...	0700	16.5	36
23...	0700	15.0	90
30...	0700	19.0	130
APR			
09...	0700	21.5	30
13...	0700	23.5	26
20...	0700	24.5	36
27...	0700	23.5	73
MAY			
04...	0700	26.5	170
11...	0700	21.5	29
18...	0700	25.5	28
26...	0700	25.0	78
JUN			
01...	0700	26.5	72
08...	0700	28.0	32
15...	0700	26.0	29
22...	0700	29.0	18
29...	0700	28.5	22
JUL			
06...	0700	26.5	28
13...	0700	28.5	16
20...	0700	30.0	14
27...	0700	30.5	16
AUG			
03...	0700	30.5	22
10...	0700	29.5	22
17...	0700	30.0	26
24...	0700	24.0	42
31...	0700	27.5	83
SEP			
08...	0730	28.5	71
14...	0700	28.5	110
29...	0700	27.5	64

295600093053000 INTRACOASTAL WATERWAY AT GIBBSTOWN, LA (CE 76873)

LOCATION.--Lat 29°56'00", long 93°05'30", T.13 S., R.6 W., Cameron Parish, Hydrologic Unit 08080202, at State Highway 27 crossing at Gibbstown and at mile 220.0 (354.0 km).

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to current year.
CHLORIDE: October 1974 to November 1978, December 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 32.0°C Aug. 17, 18, 1978; minimum daily, 5.0°C Jan. 21, 1978.
CHLORIDE: Maximum daily, 4,300 mg/L Oct. 4, 1980; minimum daily, 10 mg/L May 19, 21, 23, 26, 27, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 31.0°C Aug. 27, 30, Sept. 1, 2, 4, 10, 21; minimum daily, 6.0°C Dec. 10.
CHLORIDE: Maximum daily, 4,300 mg/L Oct. 4; minimum daily, 33 mg/L July 7.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	13.0	---	14.0	13.0	15.0	18.5	20.0	27.5	29.5	29.5	31.0
2	25.0	13.0	9.0	14.0	13.0	15.0	18.5	20.0	28.0	30.0	30.0	31.0
3	25.0	13.0	8.0	13.5	13.5	15.0	18.5	21.0	28.5	29.5	30.0	30.5
4	25.0	13.0	6.5	13.5	14.0	15.0	18.0	21.0	29.0	30.0	30.5	31.0
5	25.0	12.0	11.5	14.0	12.0	15.0	18.5	21.0	29.0	29.0	30.5	30.5
6	25.0	13.0	13.0	14.5	16.0	15.0	19.0	27.5	28.5	29.0	30.5	30.0
7	25.0	13.0	15.0	14.0	14.5	15.0	19.0	27.0	29.0	29.5	30.0	30.5
8	25.0	13.0	14.0	14.0	15.0	15.0	18.0	28.0	29.0	30.0	30.0	30.5
9	25.0	14.0	---	13.0	14.0	15.0	17.5	25.0	29.5	29.5	30.0	30.5
10	25.0	15.0	6.0	13.5	14.5	15.0	17.5	25.5	28.5	29.5	30.5	31.0
11	25.0	15.0	7.5	9.5	10.0	---	18.0	26.5	29.5	29.0	30.0	30.5
12	25.0	15.0	10.0	9.0	10.0	15.0	18.0	27.5	29.5	29.5	30.0	30.0
13	18.0	13.0	12.0	9.0	12.5	14.0	18.0	28.0	29.0	30.5	29.5	29.5
14	18.0	13.0	10.5	14.0	11.0	14.0	17.5	27.0	29.0	30.5	30.5	30.0
15	18.0	13.0	10.0	14.0	13.0	14.0	17.5	26.5	29.5	30.5	30.5	29.5
16	18.0	13.0	11.0	15.0	14.0	14.0	18.0	27.0	29.5	30.5	30.0	30.5
17	18.0	7.0	16.5	15.0	13.0	14.0	18.0	26.5	29.0	30.0	29.5	30.5
18	18.0	7.0	13.5	15.0	14.0	14.0	18.0	27.5	28.0	29.5	30.0	29.0
19	18.0	7.0	7.0	15.0	14.5	14.0	18.0	26.5	29.0	30.5	30.0	29.0
20	18.0	7.0	8.0	15.0	15.0	14.0	18.0	26.5	29.0	29.5	29.0	30.0
21	18.0	7.0	7.0	14.0	15.0	14.0	18.5	26.0	29.5	30.0	30.5	31.0
22	18.0	10.0	---	15.0	15.5	14.0	19.0	27.0	29.0	30.0	29.5	30.5
23	18.0	10.0	---	14.0	15.5	14.0	19.0	27.0	28.0	30.5	29.0	30.5
24	18.0	10.0	---	12.0	15.5	14.0	19.0	27.5	28.5	29.0	28.5	30.5
25	13.0	9.0	---	12.0	15.5	17.5	19.0	26.5	28.5	30.0	30.0	30.5
26	13.0	8.0	11.5	---	---	18.0	19.0	27.5	29.5	30.5	30.5	30.0
27	13.0	7.0	12.5	14.5	---	18.0	19.0	27.0	29.5	29.0	31.0	30.0
28	13.0	10.0	13.0	14.5	---	18.0	19.0	26.5	28.5	30.5	30.5	30.0
29	13.0	12.0	10.5	15.0	---	18.0	20.0	26.5	29.0	30.0	30.5	30.5
30	13.0	13.0	10.0	15.0	---	18.0	19.0	27.0	29.5	30.5	31.0	30.0
31	13.0	---	10.5	15.5	---	17.5	---	27.5	---	30.0	30.5	---
MAX	25.0	15.0	16.5	15.5	16.0	18.0	20.0	28.0	29.5	30.5	31.0	31.0
MIN	13.0	7.0	6.0	9.0	10.0	14.0	17.5	20.0	27.5	29.0	28.5	29.0

295600093053000 INTRACOASTAL WATERWAY AT GIBBSTOWN, LA (CE 76873)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3500	2200	1300	220	110	520	840	940	3600	420	260	320
2	3700	2600	1300	210	150	570	860	920	3600	480	280	310
3	3600	2600	800	240	130	620	830	1000	1700	350	250	320
4	4300	2600	900	210	130	560	820	940	1800	420	260	300
5	3900	2400	900	220	130	540	860	990	1700	360	220	300
6	3800	2600	800	120	110	550	910	100	1800	41	260	310
7	4100	2200	800	360	120	530	820	100	1900	33	280	310
8	3600	2200	900	260	130	520	1000	110	1600	40	270	330
9	3400	2400	700	260	120	330	960	110	200	40	260	330
10	3800	2100	800	260	120	360	940	90	610	41	260	340
11	3700	2400	800	280	130	---	980	85	550	36	280	390
12	2800	2300	500	250	98	1500	860	88	620	97	300	420
13	2800	2300	400	250	110	290	920	90	860	100	300	390
14	3000	2300	400	730	84	310	920	90	800	100	340	370
15	2900	2200	400	760	79	300	920	82	340	240	340	390
16	3800	2400	400	590	70	300	930	86	280	240	340	330
17	2600	2300	200	680	73	300	920	82	240	170	350	330
18	2700	2300	300	530	75	300	940	93	230	240	330	330
19	2600	2600	230	600	75	300	920	82	220	230	350	330
20	2700	2700	220	540	490	310	950	1100	220	230	340	330
21	2700	2500	230	220	490	300	920	1200	220	230	340	260
22	2700	2400	280	320	490	300	1000	1200	210	230	340	260
23	3700	2600	280	240	490	540	920	2000	210	170	340	270
24	2600	2600	280	260	500	600	1000	1200	220	180	340	---
25	2700	2600	290	260	490	600	1000	1200	210	230	340	300
26	2600	2600	290	---	---	560	950	1200	280	230	300	300
27	2500	1300	280	280	---	640	930	3500	250	230	310	300
28	2600	700	290	280	---	560	940	1700	270	240	330	300
29	2600	1800	290	630	---	510	930	3600	270	270	310	300
30	2600	1300	230	580	---	650	900	3500	270	210	300	300
31	2200	---	220	140	---	650	---	3600	---	280	330	---
MAX	4300	2700	1300	760	500	1500	1000	3600	3600	480	350	420
MIN	2200	700	200	120	70	290	820	82	200	33	220	260

295531092574500 GULF INTRACOASTAL WATERWAY AT LAKE MISERE, NEAR HAYES, LA (CE 96131)

LOCATION.--Lat 29°55'31", long 92°57'45", T.13 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, 12.8 mi (20.6 km) south-southwest of Hayes.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARDNESS (MG/L AS CACO3)
OCT 30...	1110	1140	7.5	30	20	<1.0	9.4	31	1.3	K80	K15	150
NOV 20...	1350	3400	7.2	10	30	<1.0	10.6	40	1.4	--	K25	350
DEC 12...	1315	1730	7.1	30	60	<1.0	8.9	41	1.2	K160	160	180
JAN 22...	1230	8470	7.3	30	200	<1.0	11.2	50	1.6	140	K72	990

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 30...	73	23	23	180	10	79	42	310	29	.00	.01	.01
NOV 20...	320	36	62	530	20	25	140	980	73	.01	.00	.01
DEC 12...	150	22	31	270	10	30	70	490	144	.14	.02	.16
JAN 22...	920	65	200	1400	49	64	360	2700	68	.00	.00	.00

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 30...	.79	.17	2	1	0	<1	1	<1	0	0	2	2
NOV 20...	.67	.04	0	0	0	0	0	0	0	0	6	2
DEC 12...	.83	.05	1	0	0	<1	0	2	10	0	5	2
JAN 22...	.89	.07	1	0	0	0	0	0	20	0	6	2

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295531092574500 GULF INTRACOASTAL WATERWAY AT LAKE MISERE, NEAR HAYES, LA (CE 96131)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	30	2	1	.1	.0	5	0	0	0	10	4	--
NOV 20...	30	3	0	.0	.0	3	2	0	0	10	10	9.2
DEC 12...	30	6	0	.2	.1	4	0	0	0	20	9	12
JAN 22...	30	6	0	.1	.0	4	0	0	1	--	20	14

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT 30...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC 12...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 22...	.00	2	0	--	--	--	--	--	--	--	--

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT 30...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 22...	--	--	--	--	--	--	--	--	--	--	--

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT 30...	.00	.00	.00	.0	.00	.02	.00	.01	.00	13.8	2.59
NOV 20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	9.19	.000
DEC 12...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	6.24	.000
JAN 22...	--	--	--	--	--	.00	.00	.00	.00	2.06	.000

< Actual value is known to be less than the value shown.

295148092510100 MERMENTAU RIVER NORTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA

LOCATION.--Lat 29°51'48", long 92°51'01", T.14 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, on northwest fender of structure and 9.8 mi (15.8 km) northeast of Grand Cheniere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to current year.
CHLORIDE: October 1974 to October 1978, December 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 70675.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 25, 1981; minimum daily, 4.0°C Jan. 20, 21, 1978.
CHLORIDE: Maximum daily, 13,000 mg/L May 22, 1981; minimum daily, 5.0 mg/L Apr. 8, 16, 1980.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 33.0°C July 25; minimum daily, 5.0°C Jan. 13.
CHLORIDE: Maximum daily, 13,000 mg/L May 22; minimum daily, 120 mg/L Feb. 25.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	20.0	13.0	10.0	16.0	15.0	22.0	24.0	27.0	30.0	---	29.0
2	24.0	20.0	13.0	10.0	11.5	15.0	20.0	24.5	27.0	30.0	---	28.5
3	24.0	20.0	13.0	10.5	5.5	15.0	20.5	23.5	27.0	27.0	---	28.0
4	24.0	20.0	13.0	9.0	9.0	15.0	21.5	23.0	27.0	27.5	---	---
5	24.0	---	13.0	9.0	8.5	---	20.0	24.0	27.0	28.0	---	28.0
6	24.0	19.0	17.0	9.5	7.5	15.0	20.0	22.0	28.0	27.5	---	27.5
7	24.0	19.0	17.0	10.5	10.5	15.0	20.0	23.0	---	28.0	30.0	28.5
8	24.0	19.0	17.0	9.0	10.5	15.0	20.0	22.0	---	29.0	---	28.5
9	24.0	19.0	17.0	10.5	10.5	15.0	21.0	24.0	28.0	30.5	---	29.5
10	24.0	19.0	13.0	11.0	13.0	15.0	22.5	21.0	---	31.0	---	27.5
11	24.0	19.0	13.0	9.0	6.0	16.0	23.0	21.0	---	---	30.0	28.0
12	24.0	19.0	13.0	6.0	5.5	16.0	24.0	21.0	---	---	---	29.0
13	23.0	19.0	13.0	5.0	6.0	15.0	24.0	23.0	27.5	---	---	28.5
14	23.0	17.0	13.0	7.5	6.5	15.0	23.5	27.0	27.5	---	---	29.0
15	23.0	17.0	13.0	8.0	8.0	15.0	23.0	23.0	28.0	---	31.5	28.0
16	23.0	13.0	13.0	9.0	9.5	15.5	23.0	25.0	28.5	---	31.5	26.5
17	23.0	13.0	---	7.0	10.5	16.0	25.0	24.0	29.5	31.0	---	25.0
18	22.0	13.0	---	6.0	11.0	18.0	24.5	23.0	30.5	---	---	23.0
19	22.0	13.0	14.0	7.0	12.5	14.5	24.0	25.0	30.0	---	---	20.0
20	22.0	13.0	10.0	6.0	14.0	14.0	24.5	23.0	---	---	---	21.0
21	[illegible]	11.0	---	7.0	14.0	15.0	24.0	23.0	---	31.5	---	23.5
22	21.0	11.0	7.0	8.0	15.0	15.0	24.0	24.0	---	---	---	24.0
23	21.0	11.0	8.0	6.5	13.5	15.0	25.0	24.0	---	---	---	27.0
24	21.0	11.0	11.5	8.5	13.0	14.5	25.0	25.0	29.0	---	30.0	27.0
25	20.0	---	7.5	9.5	15.0	16.0	22.5	25.0	29.0	33.0	29.5	27.0
26	20.0	---	8.0	11.0	15.0	18.0	22.0	23.0	28.0	32.5	30.0	27.5
27	20.0	---	---	13.0	15.0	18.5	24.5	25.5	29.5	30.0	29.5	26.0
28	20.0	11.0	8.5	11.0	15.0	18.0	23.5	26.0	---	29.0	29.5	28.0
29	20.0	11.0	8.0	13.0	---	20.0	24.5	26.0	---	30.0	28.5	28.5
30	20.0	11.0	8.5	15.0	---	19.5	25.0	29.0	30.0	29.5	28.0	28.5
31	20.0	---	8.5	12.5	---	21.0	---	28.0	---	---	28.0	---
MAX	24.0	20.0	17.0	15.0	16.0	21.0	25.0	29.0	30.5	---	---	29.5
MIN	20.0	11.0	7.0	5.0	5.5	14.0	20.0	21.0	27.0	---	---	20.0

295148092510100 MERMENTAU RIVER NORTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	800	900	520	1000	220	720	2200	5100	290	---	5000
2	3700	900	600	510	3600	230	1300	1500	2300	250	---	2400
3	1800	900	700	470	570	210	1200	990	5500	220	---	1200
4	2000	900	800	490	500	490	6600	1300	5200	180	---	---
5	2700	---	800	530	510	---	870	3100	5200	170	---	3800
6	1100	800	800	470	490	210	720	11000	2200	170	---	2900
7	1200	800	700	670	430	410	3200	5200	---	170	140	2100
8	2700	900	700	500	400	260	540	12000	---	170	---	1700
9	2700	800	2200	590	370	---	1000	1200	1300	170	---	1100
10	1500	800	800	510	500	420	570	1600	---	140	---	700
11	---	---	700	610	380	300	630	1700	---	---	170	600
12	1500	900	700	580	330	330	710	6900	---	---	---	1300
13	1300	800	600	600	330	260	8100	1600	820	---	---	1600
14	1300	3900	700	590	350	440	1200	2200	860	---	---	2100
15	1300	1300	600	630	320	580	1200	1500	580	---	160	1500
16	---	1600	600	580	270	570	3800	1500	460	---	170	910
17	2700	2400	---	580	270	620	2200	1400	---	130	---	610
18	2900	1800	---	570	300	530	1700	9000	8800	---	---	670
19	3400	1300	620	550	300	900	1400	11000	8600	---	---	590
20	1000	---	710	500	310	350	2300	10000	---	---	---	520
21	1000	1200	660	560	180	360	2000	12000	---	140	---	670
22	---	1200	620	520	160	1700	1200	13000	---	---	---	940
23	---	1100	670	500	160	520	3600	1400	---	---	---	570
24	1100	1100	600	550	170	570	3800	980	220	---	3100	610
25	1000	---	400	500	120	620	790	3500	220	170	3200	620
26	---	---	500	---	140	520	9500	2900	200	290	5600	560
27	1000	---	360	540	220	520	9700	2000	270	1100	6600	650
28	2200	800	550	600	220	480	990	12000	---	1100	3600	650
29	1100	1000	450	420	---	1000	1100	12000	---	430	1200	620
30	900	800	430	560	---	910	6200	4600	210	520	2400	620
31	900	---	470	1300	---	1800	---	12000	---	---	7700	---
MAX	3700	3900	2200	1300	3600	1800	9700	13000	---	---	---	5000
MIN	900	800	360	420	120	210	540	980	---	---	---	520

295146092510100 MERMENTAU RIVER SOUTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA

LOCATION.--Lat 29°51'46", long 92°51'01", T.14 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, on southwest fender structure, 9.8 mi (15.8 km) northeast of Grand Cheniere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1976 to October 1978, December 1979 to current year.
CHLORIDE: October 1974 to October 1978, December 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Corps of Engineers station 70750.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 34.0°C July 12, 1981; minimum daily, 4.0°C Jan, 21, 22, 1978.
CHLORIDE: Maximum daily 13,000 mg/L July 25, 1980, June 1 1981; minimum daily, 8.0 mg/L Jan. 17, 21, 23, 1975.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 34.0°C July 12; minimum daily, 5.0°C Jan. 13.
CHLORIDE: Maximum daily, 13,000 mg/L June 1; minimum daily, 94 mg/L July 12.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	---		10.0	16.0	17.0	22.0	24.0	27.0	---	30.0	29.5
2	24.0	---		10.0	11.5	17.0	20.0	24.5	27.0	30.5	30.5	29.0
3	24.0	---		10.5	5.5	17.0	20.5	23.5	27.0	---	30.5	28.5
4	24.0	---		9.0	9.0	17.0	21.5	23.0	27.0	---	30.5	28.0
5	24.0	19.0		9.0	8.5	---	20.0	24.0	27.0	---	30.0	---
6	24.0	19.0		9.5	7.5	16.0	20.0	22.0	---	---	30.0	27.0
7	24.0	19.0		10.5	---	16.0	20.0	23.0	26.0	---	---	29.0
8	24.0	19.0		9.5	---	16.0	20.0	22.0	26.0	---	30.0	30.0
9	24.0	19.0		10.5	---	16.0	21.0	24.0	---	---	29.5	30.0
10	24.0	19.0		11.0	---	16.0	22.5	21.0	27.0	---	31.0	28.0
11	24.0	19.0		9.0	---	16.0	23.0	21.0	27.0	30.0	---	27.5
12	24.0	19.0		6.0	---	16.0	24.0	21.0	---	34.0	30.0	27.5
13	23.0	19.0		5.0	---	16.0	24.0	23.0	---	30.0	32.0	28.0
14	23.0	17.0		7.5	---	16.0	23.5	22.0	---	30.5	31.0	29.0
15	23.0	17.0		8.0	---	16.0	23.0	23.0	---	31.0	32.0	---
16	23.0	13.0		9.0	---	15.5	23.0	25.0	---	30.0	---	---
17	23.0	13.0		7.0	---	16.0	25.0	24.0	---	---	---	---
18	22.0	13.0		6.0	---	18.0	24.0	23.0	---	30.5	---	---
19	22.0	13.0		7.0	---	14.5	24.5	25.0	---	31.0	---	---
20	22.0	13.0		6.5	---	14.0	25.0	23.0	30.5	31.0	---	---
21	21.0	10.0		7.0	---	15.0	24.0	23.0	30.5	---	29.0	---
22	21.0	12.0		8.0	---	15.0	24.0	24.0	30.5	---	32.0	24.5
23	21.0	13.0		6.5	---	15.0	25.0	24.0	30.5	31.5	32.0	---
24	21.0	12.0		8.5	---	14.5	25.0	25.0	---	32.0	30.0	---
25	22.0	12.0		9.5	---	16.0	22.5	25.0	---	---	30.0	---
26	20.0	10.0		11.0	---	18.0	22.0	23.0	---	---	30.0	---
27	20.0	9.0		13.0	---	18.5	24.5	25.5	29.0	---	30.0	---
28	20.0	9.0		11.0	---	18.0	23.5	26.0	30.0	---	30.0	---
29	20.0	---		13.0	---	20.0	24.5	26.0	---	---	30.0	28.0
30	20.0	---		15.0	---	19.5	25.0	29.0	---	---	29.0	28.0
31	20.0	---		12.5	---	21.0	---	28.0	---	29.0	29.0	---
MAX	24.0	19.0		15.0	---	21.0	25.0	29.0	---	---	32.0	---
MIN	20.0	9.0		5.0	---	14.0	20.0	21.0	---	---	29.0	---

295146092510100 MERMENTAU RIVER SOUTH OF CATFISH POINT CONTROL STRUCTURE, NEAR GRAND CHENIERE, LA--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3600	---		510	2600	240	4000	10000	13000	---	390	7900
2	3800	---		590	3300	220	6800	11000	12000	300	330	8100
3	2100	---		510	4000	230	5500	10000	12000	---	280	7900
4	3800	---		470	3300	250	4200	11000	12000	---	240	2900
5	3800	900		540	2900	---	6500	11000	12000	---	200	---
6	4600	---		680	400	860	5800	12000	---	---	190	1600
7	4100	---		1000	---	1500	6800	12000	2900	---	---	1600
8	---	800		2100	---	2400	6400	10000	2600	---	120	1500
9	3700	800		3400	---	---	6000	12000	---	---	160	1200
10	3500	800		4000	---	500	3700	12000	2000	---	140	690
11	---	1600		1500	---	510	6600	11000	1000	100	---	590
12	3600	4400		4900	---	1900	6400	2000	---	94	150	1400
13	4000	7600		3300	---	2000	6300	11000	---	130	150	1900
14	3400	9800		2700	---	2100	7100	8900	---	110	150	1200
15	3600	9600		2800	---	2000	7300	12000	---	120	150	---
16	3500	10000		3200	---	2300	7600	11000	---	130	---	---
17	3500	10000		2800	---	1100	7900	11000	---	---	---	---
18	3200	10000		2600	---	2000	7800	11000	---	140	---	---
19	4500	9800		2500	---	1800	8200	3100	---	150	---	---
20	1200	---		3100	---	1600	8200	1600	4100	150	---	---
21	2500	---		1200	---	1400	8400	7100	4200	---	340	---
22	---	---		1500	---	1600	6300	12000	1400	---	310	1100
23	---	5800		520	---	3200	7500	12000	230	140	310	---
24	---	6300		1000	---	1200	7100	12000	---	120	790	---
25	1200	7300		1100	---	1500	9300	11000	---	---	5600	---
26	1200	3200		---	---	640	750	12000	---	---	5700	---
27	1600	1000		990	---	1500	950	12000	380	---	7200	---
28	2500	1000		2400	---	1600	10000	---	310	---	7500	---
29	3700	---		2400	---	1400	9800	12000	---	---	8500	630
30	4400	---		1700	---	1600	9900	12000	---	---	8000	980
31	---	---		2100	---	1500	---	3100	---	420	3700	---
MAX	4600	---		4900	---	3200	10000	12000	---	---	8500	---
MIN	1200	---		470	---	220	750	1600	---	---	120	---

294630092533500 MERMENTAU RIVER AT UPPER MUD LAKE, NEAR GRAND CHENIERE, LA (CE 70375)

LOCATION.--Lat 29°46'30", long 92°53'35", T.15 S., R.5 W., Cameron Parish, Hydrologic Unit 08080202, at center of Upper Mud Lake and 4.5 mi (7.2 km) east-northeast of Grand Cheniere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1978 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 30...	1055	8620	7.5	10	15	<1.0	10.0	89	1.2	K70	K25	930
NOV 20...	1401	20800	7.6	20	15	<1.0	10.8	120	2.8	--	K80	2500
DEC 12...	1304	3000	7.4	20	30	<1.0	10.7	--	1.5	--	54	300
JAN 22...	1240	572	7.2	100	150	<1.0	11.6	130	2.5	--	K8	65

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 30...	880	74	180	1500	62	48	390	2800	54	.00	.00	.00
NOV 20...	2400	180	490	3900	140	85	820	7500	59	.00	.01	.01
DEC 12...	250	30	55	490	17	47	110	870	63	.00	.01	.01
JAN 22...	37	7.8	11	81	4.1	28	24	140	380	.12	.03	.15

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 30...	1.3	.13	1	0	0	0	4	0	10	0	4	2
NOV 20...	.87	.07	0	0	10	0	0	1	30	0	6	3
DEC 12...	1.0	.02	1	0	0	0	0	0	10	0	8	2
JAN 22...	1.1	.05	2	0	0	0	0	0	0	0	9	3

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

294630092533500 MERMENTAU RIVER AT UPPER MUD LAKE, NEAR GRAND CHENIERE, LA (CE 70375)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	40	8	1	.1	.0	4	0	0	0	20	20	--
NOV 20...	70	4	0	.0	.0	6	1	0	0	40	30	--
DEC 12...	40	4	0	.0	.1	5	0	0	0	--	30	12
JAN 22...	140	14	3	.2	.1	9	0	0	0	30	10	27

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
OCT 30...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.01
NOV 20...	.00	1	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01
DEC 12...	.01	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 22...	.00	1	1	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
OCT 30...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 22...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
OCT 30...	.00	.00	.00	.0	.00	.00	.00	.00	.00	12.4	.000
NOV 20...	<.01	<.01	<.01	<.1	<.01	.00	.00	.00	.00	6.59	4.05
DEC 12...	<.01	<.01	<.01	<.1	<.01	--	--	--	--	8.05	.000
JAN 22...	<.01	<.01	<.01	<.1	<.01	<.01	.01	<.01	<.01	13.2	.000

< Actual value is known to be less than the value shown.

300533093193000 CALCASIEU LAKE AT GULF INTRACOASTAL WATERWAY NEAR HACKBERRY, LA (CE 73646)

LOCATION.--Lat 30°05'33", long 93°19'30", T.11 S., R.9 W., Calcasieu Parisn, Hydrologic Unit 08080206, at Gulf Intracoastal Waterway, 6 mi (9.7 km) north of Hackberry.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1981 to September 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
JUN 10...	1530	2310	6.5	28.5	60	4.0	<1.0	4.3	38	.5	K130	K20
AUG 12...	1230	20200	7.6	31.5	20	3.0	<1.0	7.0	43	4.2	K50	<10

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
JUN 10...	270	250	46	37	340	12	19	110	630	44	.02	.02
AUG 12...	2200	2100	150	440	3600	110	70	870	6600	12	.00	.13

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
JUN 10...	.04	.84	.10	1	1	0	0	2	0	10	0	10
AUG 12...	.13	1.5	.12	2	2	10	0	1	1	10	0	17

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

300533093193000 CALCASIEU LAKE AT GULF INTRACOASTAL WATERWAY NEAR HACKBERRY, LA (CE 73646)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN 10...	5	170	0	2	.1	.1	4	2	0	0	30	6.2
AUG 12...	3	50	15	0	.1	.1	2	2	0	0	30	7.9

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI-METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)
JUN 10...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.02
AUG 12...	.02	2	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.05

DATE	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
JUN 10...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	.03	<.01	<.01	<.01
AUG 12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
JUN 10...	<.01	<.01	<.01	<.1	<.01	.08	<.01	.02	<.01	1.01	.000
AUG 12...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01	25.4	.000

< Actual value is known to be less than the value shown.

295040093204000 CALCASIEU PASS AT ST. JOHN ISLAND, NEAR CAMERON, LA (CE 73649)

LOCATION.--Lat 29°50'40", long 93°20'40", T.14 S., R.10 W., Calcasieu Parish, Hydrologic Unit 08080206, 2.1 mi (3.4 km) northwest of Cameron.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1974 to January 1981 (discontinued).

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH FIELD (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (NTU)	SETTLEABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CACO3)
OCT 30...	1020	24400	7.7	10	10	<1.0	10.6	120	2.1	K40	K10	3000
NOV 20...	1508	34900	8.0	5	40	<1.0	9.5	180	1.5	--	<5	4300
DEC 12...	1203	30700	7.9	5	7.0	<1.0	13.6	200	5.0	K24	K8	3700
JAN 22...	1330	37100	7.7	5	10	<1.0	10.5	230	2.1	K5	<4	4600

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 30...	2900	210	590	4900	190	83	1100	9000	31	.09	.04	.13
NOV 20...	4200	300	870	7000	210	106	1800	12000	185	.05	.01	.06
DEC 12...	3600	250	750	6700	210	94	1700	12000	43	.00	.01	.01
JAN 22...	4500	300	930	7400	250	103	1900	14000	55	.00	.00	.00

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)
OCT 30...	1.1	.16	1	1	10	10	5	0	30	0	4	3
NOV 20...	.97	.08	1	0	10	10	0	0	40	0	8	3
DEC 12...	.93	.01	0	0	10	10	1	0	50	0	5	2
JAN 22...	.48	.03	1	1	10	10	0	0	60	0	5	3

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

295040093204000 CALCASIEU PASS AT ST. JOHN ISLAND, NEAR CAMERON, LA (CE 73649)--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 30...	80	6	1	.2	.0	4	0	0	0	50	30	--
NOV 20...	140	6	0	.0	.0	6	1	0	0	50	30	8.6
DEC 12...	130	3	0	.7	.1	2	0	0	0	30	30	8.3
JAN 22...	200	3	0	.1	.1	4	0	0	0	40	30	5.6

DATE	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)	PCB TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)
OCT 30...	.00	0	0	.0	.0	.000	.0	.000	.000	.000	.00
NOV 20...	.00	0	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
DEC 12...	.00	6	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01
JAN 22...	.00	2	0	<.1	<.1	<.001	<.1	<.001	<.001	<.001	<.01

DATE	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
OCT 30...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
NOV 20...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
DEC 12...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01
JAN 22...	<.001	<.001	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
OCT 30...	.00	.00	.00	.0	.00	.07	.00	.01	.00	8.97	.000
NOV 20...	<.01	<.01	<.01	<.1	<.01	.02	.00	.00	.00	3.07	.000
DEC 12...	<.01	<.01	<.01	<.1	<.01	.01	.00	.00	.00	25.0	.000
JAN 22...	<.01	<.01	<.01	<.1	<.01	<.01	<.01	<.01	<.01	10.1	.000

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07385800 BAYOU TECHE NEAR FRANKLIN, LA (CE 64543)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT			
07...	1100	20.0	50
14...	1150	20.5	85
21...	1100	19.0	46
NOV			
04...	1305	19.0	60
12...	1335	18.5	35
19...	1350	18.5	40
26...	1300	13.0	40
DEC			
01...	1330	12.0	50
03...	1000	12.5	45
17...	1145	11.0	46
JAN			
07...	1335	--	41
14...	1410	--	40
22...	1400	--	42
FEB			
03...	1300	10.5	40
11...	1400	9.5	40
MAR			
04...	1300	12.5	32
11...	1315	12.5	38
31...	1135	24.0	39
APR			
08...	1010	28.0	35
15...	1030	23.0	39
21...	0950	24.0	33
28...	0945	22.0	26
MAY			
05...	1040	22.0	24
19...	0925	25.0	30
27...	1000	23.0	32
JUN			
09...	1400	28.5	34
16...	0950	30.0	26
24...	0945	28.5	30
30...	0935	28.5	37
JUL			
08...	0830	28.5	48
14...	0830	31.5	26
22...	0815	30.5	31
28...	1320	28.5	24
AUG			
18...	0940	31.5	27
26...	0835	29.5	34
SEP			
09...	0850	29.5	40
16...	0930	28.5	38
23...	0835	26.5	42
30...	0845	37.0	42

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

294520091232300 BAYOU TECHE AT VERDUNVILLE, LA (CE 64563)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT			
14...	0920	20.0	45
21...	0905	19.0	45
28...	0900	21.0	55
NOV			
04...	0905	19.0	35
12...	1050	18.5	35
18...	1030	18.5	45
25...	0850	13.0	40
DEC			
02...	0840	12.5	50
09...	1130	12.5	45
16...	0900	11.0	45
JAN			
13...	1130	--	42
20...	1115	--	40
FEB			
03...	1050	10.5	41
11...	1020	9.5	41
MAR			
03...	1005	13.0	36
10...	1035	--	30
18...	0945	12.5	30
31...	1145	--	110
APR			
07...	0940	18.0	64
14...	1035	22.0	80
21...	0920	24.0	84
28...	0930	22.0	32
MAY			
05...	1010	23.0	24
13...	1350	24.0	26
19...	1000	23.0	32
27...	0930	23.0	36
JUN			
09...	1030	27.5	28
16...	0920	28.5	26
24...	0935	28.5	32
30...	0900	28.5	32
JUL			
07...	0940	29.0	36
14...	0945	31.5	31
21...	0935	30.0	30
28...	1345	28.5	24
AUG			
04...	0925	30.0	22
18...	0920	31.5	28
25...	0920	29.0	36
SEP			
08...	1015	28.5	38
15...	1300	27.5	40
22...	0930	25.5	37
29...	1000	26.5	45

MISSISSIPPI RIVER DELTA

07385900 BAYOU TECHE NEAR PATTERSON, LA (CE 64800)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT			
07...	0730	20.0	50
14...	0820	20.0	45
21...	0800	20.0	50
28...	0800	21.0	65
NOV			
04...	0800	19.0	35
15...	1115	18.5	35
25...	1105	13.0	40
DEC			
02...	0820	12.5	50
09...	0820	12.5	45
16...	0755	11.0	40
JAN			
13...	1215	--	42
20...	1405	--	42
FEB			
03...	0910	10.0	41
11...	1000	9.5	40
MAR			
10...	1050	12.5	32
17...	0825	14.0	31
31...	1200	22.0	34
APR			
07...	1100	21.0	30
14...	0905	25.0	38
21...	0810	25.0	35
28...	0825	24.0	34
MAY			
05...	0905	23.0	28
13...	1240	26.0	27
19...	1135	25.0	32
27...	0825	25.0	28
JUN			
02...	0905	27.0	32
09...	0915	27.5	34
16...	0815	30.0	31
24...	0820	30.0	31
30...	0815	28.5	29
JUL			
07...	0825	29.0	35
14...	0835	31.5	34
21...	0830	31.0	30
28...	0845	28.0	27
AUG			
04...	0820	31.0	28
11...	0820	24.5	31
18...	0830	31.0	31
25...	0825	30.0	28
SEP			
01...	0825	30.0	34
08...	0905	28.5	37
15...	0830	29.0	34
22...	0820	26.5	35
29...	0850	28.0	36

MISSISSIPPI RIVER DELTA

293827091192200 INTRACOASTAL WATERWAY AT WAX LAKE (EAST) CONTROL STRUCTURE, NEAR PATTERSON, LA (CE 76440)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	TEMPERATURE (DEG C)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT			
07...	1300	21.5	35
14...	1310	20.0	45
21...	1200	19.0	50
28...	1100	21.0	45
NOV			
05...	1050	19.0	35
12...	0900	18.5	40
25...	0900	--	45
DEC			
09...	0915	12.0	45
16...	1130	11.0	45
25...	1000	13.0	45
JAN			
13...	0910	--	41
20...	0900	--	40
FEB			
03...	0810	11.0	40
11...	0830	10.0	40
MAR			
03...	0800	13.5	36
10...	0730	13.0	32
31...	1225	21.0	44
APR			
07...	1130	18.0	32
14...	1205	23.0	40
21...	1105	25.0	33
28...	1245	24.0	28
MAY			
05...	1205	22.0	28
15...	1130	22.0	26
27...	1320	24.0	30
JUN			
02...	1125	22.0	22
16...	1315	31.0	36
24...	1150	28.0	40
JUL			
07...	1030	28.0	26
21...	1055	31.0	30
29...	1400	28.0	28
AUG			
04...	1400	30.0	25
09...	1130	29.0	37
18...	1200	32.0	30
25...	1000	29.5	35
SEP			
01...	1105	29.0	40
15...	1400	27.5	38
22...	1045	26.0	41
29...	1125	26.5	38

MISSISSIPPI RIVER DELTA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

294022091265500 WAX LAKE (WEST) DRAINAGE AREA AT CONTROL STRUCTURE, NEAR PATTERSON, LA (CE 76520)

DATE	TIME	TEMPERATURE (DEG C)	CHLORIDE, DISSOLVED (MG/L AS CL)
OCT			
07...	1000	22.0	45
14...	0950	20.0	45
21...	1315	19.0	45
NOV			
04...	1015	18.0	40
12...	0950	19.0	45
18...	1005	18.5	40
DEC			
02...	1100	12.5	40
09...	1030	12.0	45
JAN			
13...	1040	--	44
20...	1010	--	39
FEB			
03...	1000	11.0	42
11...	0930	10.0	40
MAR			
03...	0900	13.5	30
10...	0810	13.0	29
APR			
07...	1045	13.0	36
14...	1130	26.0	40
21...	1115	23.0	30
28...	1205	--	30
MAY			
05...	1135	--	28
15...	1035	22.0	28
27...	1300	23.0	30
JUN			
02...	1100	22.0	20
16...	1230	29.5	34
24...	1125	28.0	39
JUL			
07...	1005	28.0	30
21...	1020	31.0	26
29...	1200	28.0	29
AUG			
04...	1020	30.0	26
18...	1130	33.0	29
25...	1020	29.5	34
SEP			
01...	1030	29.5	40
08...	1100	29.0	38
15...	1330	27.0	40
22...	1015	26.0	40
29...	1100	26.0	41

07387000 VERMILION RIVER AT BANCKER FERRY NEAR ABBEVILLE, LA

DATE	TIME	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BARIUM, RECOV. FM BOTTOM MATERIAL (UG/G AS BA)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
NOV												
18..	1345	3	100	100	0	5	8	4800	10	180	.05	23

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LOWER MISSISSIPPI RIVER DELTA

291620089210200 MISSISSIPPI RIVER AT THE JUMP, AT VENICE, LA (CE 01500)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
OCT			
02...	1445	27.5	310
03...	1320	26.5	290
06...	1445	26.0	220
07...	1410	25.0	210
24...	1315	23.0	400
27...	1430	22.0	400
NOV			
05...	1430	20.0	850
12...	1430	18.5	760
17...	1430	18.5	880
20...	1415	17.0	660
21...	1345	17.0	720
25...	1430	17.0	660
DEC			
02...	1445	14.0	440
05...	1430	13.5	310
11...	1230	12.5	260
17...	0730	12.5	200
23...	0815	13.0	190
24...	0700	12.5	60
JAN			
06...	0700	9.0	50
07...	0700	9.5	540
08...	0830	9.5	740
09...	0830	9.5	620
15...	1430	9.5	730
20...	0700	9.0	960
21...	0700	9.0	1100
26...	1430	9.5	1400
30...	0700	10.0	1600
MAR			
03...	1510	20.0	1800
APR			
03...	1500	11.0	170
MAY			
01...	0700	20.0	160
05...	0800	20.5	48
18...	1600	22.5	42
19...	0745	22.0	41
20...	1400	22.0	45
22...	1500	21.5	49
JUN			
05...	1400	21.0	32
08...	0700	22.5	28

MISSISSIPPI RIVER DELTA

07381468 BAYOU BOEUF AT U.S. HIGHWAY 190, AT AMELIA, LA (CE 52800)

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	TEMPER- ATURE (DEG C)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT			
08...	0800	20.5	45
20...	0800	--	45
27...	0800	21.0	45
NOV			
03...	0800	18.0	45
17...	0750	18.0	40
24...	0755	14.0	45
DEC			
01...	0805	13.0	35
15...	0750	13.0	41
22...	0800	10.0	35
JAN			
12...	0800	--	40
19...	0750	--	40
26...	0750	8.5	45
FEB			
02...	0840	12.0	50
APR			
06...	0740	20.0	46
13...	0740	24.0	40
20...	0750	25.0	45
27...	0800	22.0	35
MAY			
04...	0810	23.0	34
11...	0745	22.0	34
18...	0805	24.0	30
26...	0805	25.0	36
JUN			
01...	0840	27.0	36
08...	0700	28.5	56
15...	0700	29.5	38
22...	0745	31.0	35
29...	0750	29.5	35
JUL			
05...	0755	28.5	34
13...	0805	30.0	36
20...	0800	31.5	34
27...	0830	29.0	27
AUG			
03...	0805	30.0	34
10...	0805	30.0	30
17...	0745	31.5	27
24...	0800	29.0	38
31...	0750	27.5	35
SEP			
14...	0750	28.5	34
21...	0805	24.5	37
28...	0805	26.5	38

POTAMOLOGICAL STUDY

The following water-quality sites are being sampled as part of a potamological study on a distributary of the lower Mississippi River in cooperation with the Louisiana Department of Transportation and Development, Office of Public Works.

292141089174800 BAPTISTE COLLETTE (MAIN PASS) AT BRETON SOUND 6.9 MILES NORTHEAST OF VENICE, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
JAN 16...	0915	15400	7.4	7.5	0	15	12.2	78	1.8	160	--
MAY 06...	1400	1500	7.3	21.0	5	60	7.0	27	3.2	1400	860
JUL 14...	0930	346	6.9	28.0	10	170	6.0	54	.5	1400	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JAN 16...	K8	1800	1700	140	360	3000	90	112	870	5200	.6
MAY 06...	640	260	160	50	32	190	8.4	98	110	340	.2
JUL 14...	K500	140	47	37	11	17	3.2	91	52	21	.3

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
JAN 16...	4.0	--	9730	53	81600	.87	.01	.88	.93	.19	.23
MAY 06...	5.6	836	795	164	99000	2.2	.01	2.2	2.1	.06	.09
JUL 14...	7.0	215	204	217	--	1.9	.06	2.0	2.1	.16	.17

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)
JAN 16...	.91	.95	--	.11	1	0	10	0	1	0
MAY 06...	1.3	.91	.35	.28	2	1	10	1	0	2
JUL 14...	2.1	1.1	.41	.10	4	1	0	0	0	2

K Results based on colony count outside the acceptable range (non-ideal count).

POTAMOLOGICAL STUDY--Continued

292141089174800 BAPTISTE COLLETTE (MAIN PASS) AT BRETON SOUND 6.9 MILES NORTHEAST OF VENICE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
JAN 16...	30	0	6	4	50	10	0	.3	.1	7
MAY 06...	10	0	9	3	10	23	0	3.2	.4	5
JUL 14...	20	0	17	6	30	8	2	.3	.1	12

DATE	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)
JAN 16...	1	0	0	--	20	20	5.6	.00	2	1
MAY 06...	2	0	0	--	30	30	7.4	.00	0	0
JUL 14...	1	0	0	3.0	60	20	12	.00	0	0

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
JAN 16...	<.1	20	<.1	<1	<.001	<.1	<.1	6.0	<.001	6.6	<.001

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 16...	1.7	<.001	8.8	.02	<.1	<.001	<1.0	<.001	<.1	<.001	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 16...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

POTAMOLOGICAL STUDY--Continued

292141089174800 BAPTISTE COLLETTE (MAIN PASS) AT BRETON SOUND 6.9 MILES NORTHEAST OF VENICE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JAN 16...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 16...	<.01	<.10	<.1	<1	<.01	<.1	.02	.00	.01	.00

DATE	TIME	SAMP-LING DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	PHENOLS (UG/L)
JAN 16...	0916	13	30000	7.4	8.0	12.3	--
FEB 26...	1040	.5	22600	7.7	11.0	10.9	2
26...	1041	8.0	45800	7.5	14.5	8.7	--
MAY 06...	1401	14	26700	7.3	24.0	6.1	--
JUL 14...	0931	14	346	6.9	28.0	5.7	--

DATE	TIME	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 07...	1200	2500	100
JUL 14...	0930	230	98
AUG 18...	1200	73	84

< Actual value is known to be less than the value shown.

POTAMOLOGICA[illegible]DY--Continued

291900089184500 KIMBEL PASS (NEAR MAIN PASS) 3.9 MILES NORTHEAST OF VENICE, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
JAN											
16...	1045	9250	7.7	8.0	5	10	12.7	56	4.1	K300	K24
MAY											
06...	1450	439	7.2	21.0	5	70	6.8	32	1.0	1900	--
JUL											
14...	1100	363	7.1	29.0	5	170	5.1	55	--	1600	--

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
JAN											
16...	K16	980	870	97	180	1600	52	116	420	2900	.5
MAY											
06...	840	160	64	42	13	22	3.2	94	68	26	.2
JUL											
14...	K750	140	46	38	11	19	3.2	94	51	22	.3

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
JAN											
16...	2.3	5460	5320	19	25200	.98	.02	1.0	.91	.34	.32
MAY											
06...	5.9	248	236	168	118000	2.0	.01	2.0	2.0	.06	.12
JUL											
14...	7.0	215	208	205	--	1.9	.06	2.0	2.0	.19	.14

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)
JAN										
16...	1.1	.95	.13	.09	1	1	0	0	0	0
MAY										
06...	2.0	1.4	.51	.03	2	1	0	<1	0	2
JUL										
14...	1.4	1.1	.44	.10	4	2	0	0	0	1

< Actual value is known to be less than the value shown.
K Results based on colony count outside the acceptable range (non-ideal count).

POTAMOLOGICAL STUDY--Continued

291900089184500 KIMBEL PASS (NEAR MAIN PASS) 3.9 MILES NORTHEAST OF VENICE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
JAN 16...	30	0	13	3	50	9	0	.1	.1	7
MAY 06...	10	0	12	3	30	9	0	.5	.0	10
JUL 14...	10	0	16	21	20	7	1	.1	.1	11

DATE	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)
JAN 16...	2	0	0	--	30	10	7.5	.00	3	2
MAY 06...	0	0	0	.0	70	10	9.2	.01	0	0
JUL 14...	5	0	0	3.0	60	10	7.6	.00	0	0

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
JAN 16...	<.1	2	<.1	<1	<.001	<.1	<.1	1	<.001	1.0	<.001

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 16...	<.1	<.001	<.1	.02	<.1	<.001	.1	<.001	<.1	<.001	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 16...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1

< Actual value is known to be less than the value shown.

POTAMOLOGICAL STUDY--Continued

291900089184500 KIMBEL PASS (NEAR MAIN PASS) 3.9 MILES NORTHEAST OF VENICE, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	METH-OXY-CHLOR, TOTAL (UG/L)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOTAL (UG/L)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL (UG/L)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JAN										
16...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PER-THANE TOTAL (UG/L)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOX-APHENE, TOTAL (UG/L)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN										
16...	<.01	<.10	<.1	<1	<.01	<.1	.03	.00	.01	.00

DATE	TIME	SAMP-LING DEPTH (FT)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	PHENOLS (UG/L)
JAN							
16...	1046	12	94000	7.7	8.0	12.5	--
FEB							
26...	1100	.5	794	7.7	6.5	11.1	1
26...	1101	10	791	7.6	6.5	11.0	--
MAY							
06...	1451	13	440	7.2	21.0	6.8	--
JUL							
14...	1101	9.0	336	7.1	30.5	4.7	--
14...	1102	12	342	7.[illegible]	[illegible]0.0	4.8	--

DATE	TIME	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC			
18...	1200	192	96
JUL			
14...	0930	304	97
AUG			
18...	1200	162	93

< Actual value is known to be less than the value shown.

291809089184900 EMALINE PASS (NEAR MAIN PASS) 3.2 MILES NORTHEAST OF VENICE, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
JAN 16...	1100	6330	7.4	7.5	5	9.0	11.5	33	2.2	760	K52
MAY 06...	1510	438	7.2	21.0	5	120	6.7	44	2.3	1200	1000
JUL 14...	1130	353	7.1	28.5	5	180	5.2	54	.2	1700	--

DATE	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
JAN 16...	K4	760	630	79	140	1000	44	120	310	1900	.5
MAY 06...	960	160	66	41	14	26	3.3	94	67	34	.2
JUL 14...	1300	140	50	37	11	16	3.2	88	51	21	.3

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L)	SOLIDS, VOLA-TILE IN BOTTOM MA-TERIAL (MG/KG)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
JAN 16...	33	3610	3580	12	52600	1.4	.02	1.4	1.2	.34	.32
MAY 06...	5.5	267	247	282	50000	2.0	.01	2.0	2.0	--	.14
JUL 14...	7.0	214	200	211	--	1.9	.06	2.0	2.0	.17	.14

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)
JAN 16...	1.3	1.3	.15	.04	1	1	0	0	0	0
MAY 06...	2.0	1.1	.47	.18	3	1	0	0	0	0
JUL 14...	1.2	1.0	.41	.10	4	2	0	0	0	0

K Results based on colony count outside the acceptable range (non-ideal count).

POTAMOLOGICAL STUDY--Continued

291809089184900 EMALINE PASS (NEAR MAIN PASS) 3.2 MILES NORTHEAST OF VENICE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
JAN 16...	20	0	7	3	50	7	0	.0	.0	7
MAY 06...	10	0	14	3	40	19	1	.8	.3	12
JUL 14...	10	0	16	5	50	7	0	.1	.2	10

DATE	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)
JAN 16...	3	0	0	--	--	20	6.2	.00	1	1
MAY 06...	0	0	0	--	60	10	13	.00	0	0
JUL 14...	1	0	0	3.0	60	20	8.8	.00	0	0

DATE	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)
JAN 16...	<.1	<.1	<.001	<.1	<.001	<.001	<.001	.01	.002	<.001

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHOXYCHLOR, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)	METHYL TRITHION, TOTAL (UG/L)
JAN 16...	<.001	<.01	<.001	<.001	<.001	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PERTHANE TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 16...	<.01	<.01	<.01	<.1	<.01	.02	.00	.00	.00

< Actual value is known to be less than the value shown.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

POTAMOLOGICAL STUDY--Continued

291809089184900 EMALINE PASS (NEAR MAIN PASS) 3.2 MILES NORTHEAST OF VENICE, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	PHENOLS (UG/L)
JAN							
16...	1101	18	8700	7.2	8.0	11.4	--
FEB							
26...	1110	.5	832	7.7	6.5	11.3	1
26...	1111	33	837	7.6	6.5	11.3	--
MAY							
06...	1511	26	439	7.2	21.0	6.7	--
JUL							
14...	1131	37	339	7.3	29.5	4.4	--

DATE	TIME	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC			
18...	1200	272	98
JUL			
14...	1130	240	94
AUG			
18...	1200	158	98

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

POTAMOLOGICAL STUDY--Continued

291728089210000 BAPTISTE COLLETTE BAYOU 1.2 MILES NORTH OF VENICE, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
JAN 16...	1115	6060	7.5	7.5	5	10	11.3	33	2.1	K280	K64
MAY 06...	1600	440	7.2	21.0	10	150	6.6	62	2.0	1100	--
JUL 14...	1245	362	7.3	29.0	10	180	5.2	57	.6	1800	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
JAN 16...	K8	740	620	81	130	990	34	118	310	1900	.5
MAY 06...	1100	150	57	39	13	22	2.9	94	68	28	.2
JUL 14...	1300	140	44	37	11	18	3.2	94	51	21	.2

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
JAN 16...	4.0	3520	3420	16	57900	1.3	.02	1.3	1.2	.32	.27
MAY 06...	5.3	253	234	398	38500	2.0	.01	2.0	2.1	.07	.09
JUL 14...	7.0	218	204	422	--	1.9	.06	2.0	2.0	.20	.21

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CADMIUM DISSOLVED (UG/L AS CD)
JAN 16...	1.5	1.0	.15	.05	1	1	0	0	0	0
MAY 06...	2.7	1.2	.66	.18	3	1	10	0	0	0
JUL 14...	1.3	1.1	.45	.09	4	2	0	0	0	1

K Results based on colony count outside the acceptable range (non-ideal count).

POTAMOLOGICAL STUDY--Continued

291728089210000 BAPTISTE COLLETTE BAYOU 1.2 MILES NORTH OF VENICE, LA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	CHROMIUM, HEXAVALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
JAN 16...	20	0	7	3	40	6	0	.0	.0	7
MAY 06...	20	0	18	4	30	16	2	3.8	.2	17
JUL 14...	20	0	21	6	30	10	1	.3	.1	14

DATE	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, DISSOLVED (UG/L AS SE)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVIMETRIC (MG/L)
JAN 16...	2	0	0	--	--	30	4.3	.00	1	0
MAY 06...	1	0	0	--	80	20	14	.07	1	0
JUL 14...	1	0	0	3.0	60	20	8.7	.00	0	0

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
JAN 16...	<.1	<1	<.1	<1	<.001	<.1	<.1	<1	<.001	<.1	<.001

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 16...	.4	<.001	<.1	.03	<.1	<.001	.1	<.001	<.1	<.001	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN 16...	<.01	<.1	<.001	<.1	<.001	<.1	<.001	<.1	<.01	<.1

< Actual value is known to be less than the value shown.

POTAMOLOGICAL STUDY--Continued

291728089210000 BAPTISTE COLLETTE BAYOU 1.2 MILES NORTH OF VENICE, LA

WATER-QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JAN										
16...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN										
16...	<.01	<.10	<.1	<1	<.01	<.1	.03	.00	.01	.00

DATE	TIME	SAMPLING DEPTH (FT)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	PHENOLS (UG/L)
JAN							
16...	1116	39	38200	7.3	9.0	10.6	--
FEB							
26...	1120	.5	556	7.7	6.0	11.5	3
26...	1121	38	1000	7.6	6.0	11.0	--
MAY							
06...	1601	27	440	7.2	20.5	6.6	--
JUL							
14...	1246	30	341	7.6	29.0	5.4	--

DATE	TIME	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV			
07...	1530	332	100
DEC			
18...	1200	192	98
MAY			
06...	1530	432	100
JUL			
14...	1200	288	98
AUG			
18...	1200	176	98

< Actual value is known to be less than the value shown.

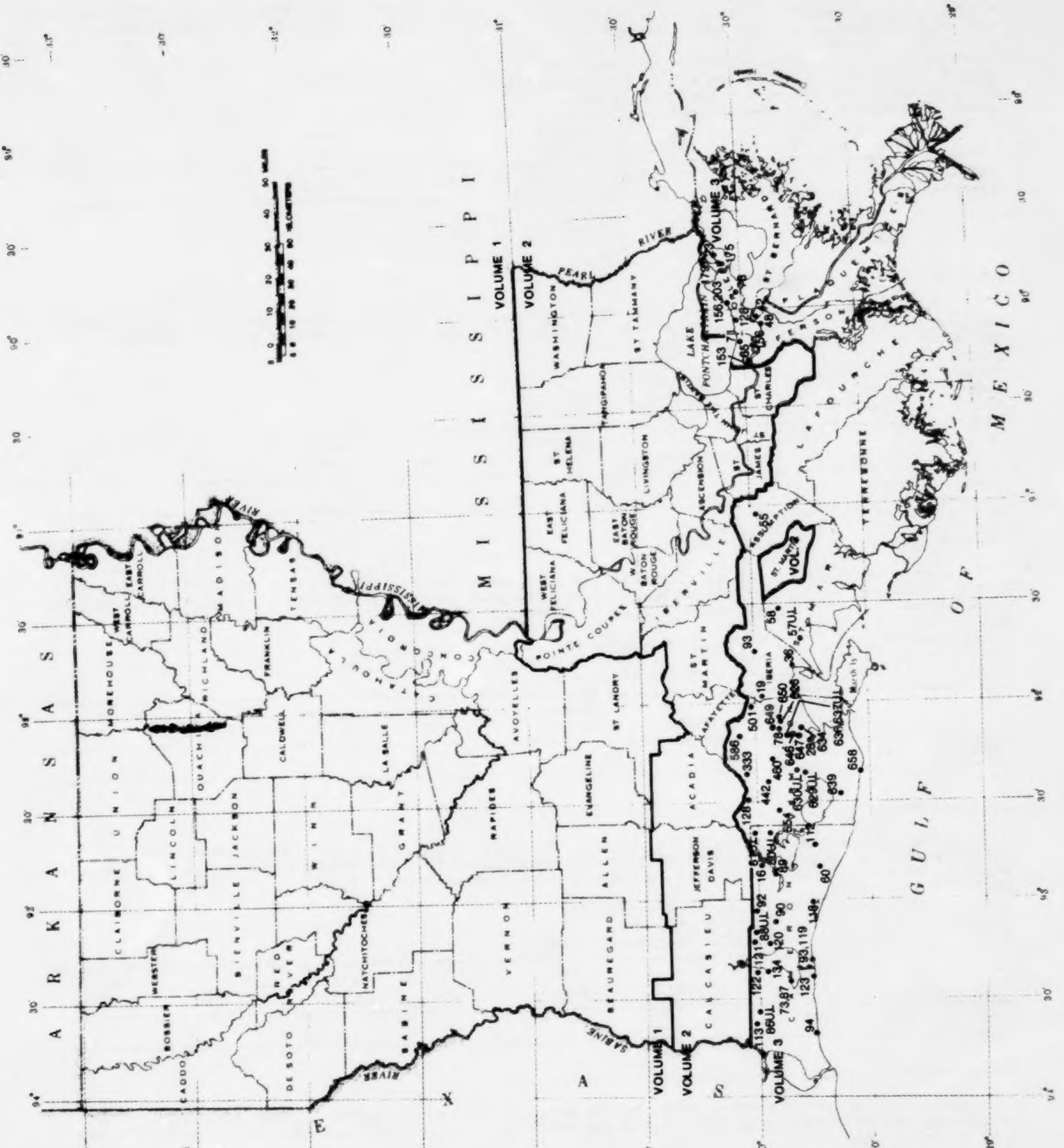
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 3
MISSISSIPPI RIVER
PEARL RIVER
SABINE RIVER
RED RIVER
LAKE PONTCHARTRAIN
CADDO
BOSSIER
WEBSTER
CLAIBORNE
LINCOLN
UNION
MOREHOUSE
WEST CARROLL
EAST CARROLL
OUACHITA
RICHLAND
MADISON
BIENVILLE
JACKSON
CALDWELL
FRANKLIN
TENSAS
DE SOTO
RED RIVER
NATCHITOCHES
WINN
LA SALLE
CATAHOULA
CONCORDIA
GRANT
SABINE
RAPIDES
AVOYELLES
VERNON
BEAUREGARD
ALLEN
EVANGELINE
ST LANDRY
POINTE COUPEE
WEST FELICIANA
EAST FELICIANA
ST HELENA
WASHINGTON
TANGIPAHOA
ST TAMMANY
LIVINGSTON
EAST BATON ROUGE
WEST BATON ROUGE
IBERVILLE
ASCENSION
ST JAMES
ST JOHN
ST CHARLES
JEFFERSON
ORLEANS
ST BERNARD
PLAQUEMINES
LAFOURCHE
TERREBONNE
ASSUMPTION
ST MARTIN
ST MARY
IBERIA
LAFAYETTE
VERMILION
ACADIA
JEFFERSON DAVIS
CALCASIEU
CAMERON
33°
32°
31°
30°
30'
94°
93°
92°
91°
90°
89°
0 10 20 30 40 50 MILES
0 10 20 30 40 50 KILOMETERS

Figure 5.--Location of observation wells.

ASSUMPTION PARISH

295918091030101 LOCAL WELL NUMBER: AS-55

OWNER: MEDERIC LEBLANC. (SEC. 31, T. 12S., R. 14E.) DRILLED UNUSED ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 168 FT. SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN CASING, AT LSD (SINCE 4/7/81).
LSD 16.00 FT NGVD.
HIGHEST WATER LEVEL 9.54 BELOW LSD, MAY 17, 1973.
LOWEST WATER LEVEL 18.16 BELOW LSD, NOV. 13, 1978.
RECORDS AVAILABLE 1960-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1980	17.30	APR. 7, 1981	17.32	SEP. 30, 1981	16.80		

CAMERON PARISH

295935092473001 LOCAL WELL NUMBER: CN-16

OWNER: MAPLE HUGHES ESTATE. (SEC. 20, T. 12S., R. 4W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 12 TO 8 IN. REPORTED DEPTH 350 FT. SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 1.60 FT ABOVE LSD.
LSD 5.03 FT NGVD.
HIGHEST WATER LEVEL 5.59 BELOW LSD, MAY 21, 1947.
LOWEST WATER LEVEL 35.37 BELOW LSD, JULY 20, 1978.
RECORDS AVAILABLE 1946-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	29.90						

294344092491601 LOCAL WELL NUMBER: CN-60

OWNER: ROCKEFELLER NATIONAL WILDLIFE REFUGE. (SEC. 19, T. 15S., R. 4W.) DRILLED STOCK-SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 10 TO 6 IN. REPORTED DEPTH 274 FT. SCREENED 211-274. MP TOP EDGE OF 1-IN NIPPLE, 2.40 FT ABOVE LSD.
LSD 3.87 FT NGVD.
HIGHEST WATER LEVEL 5.97 BELOW LSD, SEP. 10, 1958.
LOWEST WATER LEVEL 10.86 BELOW LSD, FEB. 17, 1981.
RECORDS AVAILABLE 1957-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 17, 1981	10.86						

295324093240601 LOCAL WELL NUMBER: CN-73

OWNER: SABINE NATIONAL WILDLIFE REFUGE. (SEC. 32, T. 13S., R. 10W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 6 TO 4 IN. REPORTED DEPTH 515 FT. SCREENED 500-515. MP TOP OF 1/2-IN PLUG HOLE IN STEEL PLATE, 0.50 FT ABOVE LSD.
LSD 9.59 FT NGVD.
HIGHEST WATER LEVEL 19.40 BELOW LSD, MAR. 27, 1961.
LOWEST WATER LEVEL 38.84 BELOW LSD, FEB. 15, 1978.
RECORDS AVAILABLE 1961-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 20, 1981	34.13						

295846092381104 LOCAL WELL NUMBER: CN-80U

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE. DIAM 2 IN. DEPTH 453 FT. SCREENED 443-453. MP TOP OF 1-IN PIPE, 3.32 FT ABOVE LSD.
LSD 4.73 FT NGVD.
HIGHEST WATER LEVEL 19.42 BELOW LSD, MAR. 22, 1965.
LOWEST WATER LEVEL 30.80 BELOW LSD, JUNE 20, 1978.
RECORDS AVAILABLE 1964-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	25.78	FEB. 24, 1981	27.11				

295846092381105 LOCAL WELL NUMBER: CN-80L

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 481 FT, SCREENED 475-481. MP TOP OF 1-IN PIPE, 3.32 FT ABOVE LSD.
LSD 4.73 FT NGVD.
HIGHEST WATER LEVEL 19.47 BELOW LSD, MAR. 22, 1965.
LOWEST WATER LEVEL 30.88 BELOW LSD, JUNE 20, 1978.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	27.28	FEB. 24, 1981	27.21				

300125092382503 LOCAL WELL NUMBER: CN-81U

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 448 FT, SCREENED 438-448. MP TOP OF 1-IN PIPE, 3.18 FT ABOVE LSD.
LSD 4.45 FT NGVD.
HIGHEST WATER LEVEL 20.92 BELOW LSD, MAR. 22, 1965,
LOWEST WATER LEVEL 30.48 BELOW LSD, OCT. 23, 1969.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	27.32	MAR. 9, 1981	29.08				

300125092382504 LOCAL WELL NUMBER: CN-81L

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 12S., R. 3W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 478 FT, SCREENED 468-478. MP TOP OF 1-IN PIPE, 3.18 FT ABOVE LSD.
LSD 4.45 FT NGVD.
HIGHEST WATER LEVEL 20.99 BELOW LSD, MAR. 22, 1965,
LOWEST WATER LEVEL 30.42 BELOW LSD, APR. 27, 1972.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	29.42	MAR. 9, 1981	29.42				

300120093320801 LOCAL WELL NUMBER: CN-86U

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 12S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 535 FT, SCREENED 525-535. MP TOP OF 1-IN PIPE, 2.91 FT ABOVE LSD.
LSD 3.66 FT NGVD.
HIGHEST WATER LEVEL 32.01 BELOW LSD, APR. 12, 1965,
LOWEST WATER LEVEL 51.22 BELOW LSD, SEP. 19, 1971.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 2, 1981	49.17	FEB. 19, 1981	48.15				

300120093320802 LOCAL WELL NUMBER: CN-86L

OWNER: U. S. GEOL. SURVEY. (SEC. 13, T. 12S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, DEPTH 641 FT, SCREENED 631-641. MP TOP OF 1-IN PIPE, 2.91 FT ABOVE LSD.
LSD 3.66 FT NGVD.
HIGHEST WATER LEVEL 32.16 BELOW LSD, APR. 12, 1965,
LOWEST WATER LEVEL 51.34 BELOW LSD, SEP. 19, 1971.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 2, 1981	49.34	FEB. 19, 1981	48.85				

295324093240602 LOCAL WELL NUMBER: CN-87

OWNER: U. S. GEOL. SURVEY, (SEC. 32, T. 13S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 804 FT, SCREENED 798-804. MP TOP OF 2-IN CASING, 1.00 FT ABOVE LSD.
LSD 8.46 FT NGVD.
HIGHEST WATER LEVEL 22.38 BELOW LSD, DEC. 16, 1963,
LOWEST WATER LEVEL 49.63 BELOW LSD, SEP. 28, 1978.
RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 20, 1981	46.40						

300055093093003 LOCAL WELL NUMBER: CN-88U

OWNER: U. S. GEOL. SURVEY, (SEC. 14, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 666 FT, SCREENED 656-666. MP TOP OF 1/2-IN PIPE, 2.68 FT ABOVE LSD.
LSD 8.86 FT NGVD.
HIGHEST WATER LEVEL 39.97 BELOW LSD, APR. 13, 1965,
LOWEST WATER LEVEL 66.62 BELOW LSD, JULY 21, 1978.
RECORDS AVAILABLE 1964-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 17, 1981	56.51						

300055093093004 LOCAL WELL NUMBER: CN-88L

OWNER: U. S. GEOL. SURVEY, (SEC. 14, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN, DEPTH 804 FT, SCREENED 794-804. MP TOP OF 1/2-IN PIPE, 2.68 FT ABOVE LSD.
LSD 8.86 FT NGVD.
HIGHEST WATER LEVEL 40.27 BELOW LSD, APR. 13, 1965,
LOWEST WATER LEVEL 66.95 BELOW LSD, JULY 21, 1978.
RECORDS AVAILABLE 1964-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 17, 1981	57.40						

295148092505901 LOCAL WELL NUMBER: CN-89

OWNER: U. S. CORPS OF ENGINEERS, (SEC. 1, T. 14S., R. 5W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, REPORTED DEPTH 350 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1/4-IN TAP HOLE IN CASING CAP, 1.00 FT ABOVE LSD.
LSD 6.49 FT NGVD.
HIGHEST WATER LEVEL 19.32 BELOW LSD, MAR. 25, 1964,
LOWEST WATER LEVEL 29.00 BELOW LSD, SEP. 21, 1978.
RECORDS AVAILABLE 1964-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 23, 1981	27.70						

295611093044801 LOCAL WELL NUMBER: CN-90

OWNER: U. S. GEOL. SURVEY, (SEC. 4, T. 13S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 396 FT, SCREENED 386-396. MP TOP OF 4-IN CASING, 1.71 FT ABOVE LSD.
LSD 3.19 FT NGVD.
HIGHEST WATER LEVEL 20.04 BELOW LSD, APR. 13, 1965,
LOWEST WATER LEVEL 36.85 BELOW LSD, AUG. 14, 1973.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 17, 1981	31.10	MAR. 5, 1981	30.53				

300104093015601   LOCAL WELL NUMBER: CN-92

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 12S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 443 FT, SCREENED 438-443. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 5.50 FT NGVD.
HIGHEST WATER LEVEL 26.02 BELOW LSD, APR. 13, 1965.
LOWEST WATER LEVEL 53.96 BELOW LSD, AUG. 14, 1973.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	36.33	MAR. 5, 1981	37.56				

294709093174301   LOCAL WELL NUMBER: CN-93

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 16, T. 15S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 360 FT, SCREENED 355-360. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
LSD 3.76 FT NGVD.
HIGHEST WATER LEVEL 9.64 BELOW LSD, DEC. 15, 1965.
LOWEST WATER LEVEL 25.83 BELOW LSD, FEB. 28, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 20, 1981	25.51						

294543093391401   LOCAL WELL NUMBER: CN-94

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 15S., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 1,118 FT, SCREENED 1,112-1,118. MP TOP OF 2-IN CASING, 2.50 FT ABOVE LSD.
LSD 6.22 FT NGVD.
HIGHEST WATER LEVEL 30.12 BELOW LSD, JUNE 17, 1965.
LOWEST WATER LEVEL 41.82 BELOW LSD, FEB. 20, 1981.
RECORDS AVAILABLE 1965-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 20, 1981	41.82						

294526092424801   LOCAL WELL NUMBER: CN-112

OWNER: PAN AMERICAN PETROLEUM CO. (SEC. 8, T. 15S., R. 3W.) DRILLED INDUSTRIAL ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 11 TO 7 IN, REPORTED DEPTH 247 FT, SCREENED 205-247. MP TOP OF 3/4-IN NIPPLE, 0.90 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 14.32 BELOW LSD, FEB. 22, 1972.
LOWEST WATER LEVEL 15.43 BELOW LSD, FEB. 17, 1981.
RECORDS AVAILABLE 1972, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 17, 1981	15.43						

300113093365701   LOCAL WELL NUMBER: CN-113

OWNER: SHELL OIL CO. (SEC. 17, T. 12S., R. 12W.) DRILLED INDUSTRIAL ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM UNKNOWN, REPORTED DEPTH 600 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 1.40 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 46.22 BELOW LSD, MAR. 3, 1976.
LOWEST WATER LEVEL 50.04 BELOW LSD, FEB. 28, 1979.
RECORDS AVAILABLE 1975-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	47.88						

294615093004201 LOCAL WELL NUMBER: CN-118

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 15S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 638 FT, SCREENED 628-638. MP TOP OF 2-IN CASING, 2.33 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 20.58 BELOW LSD, APR. 28, 1975.
LOWEST WATER LEVEL 23.39 BELOW LSD, DEC. 6, 1979.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 17, 1981	22.53						

294709093174302 LOCAL WELL NUMBER: CN-119

OWNER: U. S. GEOL. SURVEY. (SEC. 16, T. 15S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 910 FT, SCREENED 900-910. MP TOP OF 2-IN CASING, 2.86 FT ABOVE LSD.
LSD 3.50 FT NGVD.
HIGHEST WATER LEVEL 29.34 BELOW LSD, JUNE 19, 1975.
LOWEST WATER LEVEL 31.49 BELOW LSD, DEC. 9, 1974.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 21, 1981	30.99						

295721093115701 LOCAL WELL NUMBER: CN-120

OWNER: U. S. GEOL. SURVEY. (T. 13S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 764 FT, SCREENED 754-764. MP TOP OF 2-IN CASING, 2.30 FT ABOVE LSD.
LSD 3.00 FT NGVD.
HIGHEST WATER LEVEL 36.85 BELOW LSD, DEC. 3, 1975.
LOWEST WATER LEVEL 51.02 BELOW LSD, JUNE 16, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 17, 1981	45.53						

300040093161801 LOCAL WELL NUMBER: CN-121

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 691 FT, SCREENED 681-691. MP TOP OF 2-IN CASING, 2.50 FT ABOVE LSD.
LSD 3.00 FT NGVD.
HIGHEST WATER LEVEL 53.84 BELOW LSD, APR. 22, 1975, MAR. 4, 1976,
LOWEST WATER LEVEL 61.00 BELOW LSD, JUNE 16, 1978.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 17, 1981	54.95	MAR. 6, 1981	54.58				

300140093202201 LOCAL WELL NUMBER: CN-122

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 12S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 920 FT, SCREENED 910-920. MP TOP OF 2-IN CASING, 3.40 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 59.04 BELOW LSD, MAR. 3, 1976,
LOWEST WATER LEVEL 64.79 BELOW LSD, DEC. 3, 1974.
RECORDS AVAILABLE 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 20, 1981	59.98	FEB. 26, 1981	60.09				

CAMERON PARISH

294557093223601 LOCAL WELL NUMBER: CN-123

OWNER: CAMERON PARISH POLICE JURY. (SEC. 21, T. 15S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 236 FT, SCREENED 226-236. MP TOP OF 2-IN CASING, 2.30 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 19.99 BELOW LSD, JUNE 18, 1975,
LOWEST WATER LEVEL 24.06 BELOW LSD, DEC. 4, 1979.
RECORDS AVAILABLE 1975-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 20, 1981	23.75						

295839093203501 LOCAL WELL NUMBER: CN-134

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 47, T. 12S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 710 FT, SCREENED 690-710. MP TOP OF 4-IN COUPLING, 2.00 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 49.99 BELOW LSD, FEB. 23, 1977,
LOWEST WATER LEVEL 56.68 BELOW LSD, JULY 21, 1978.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 20, 1981	52.67						

IBERIA PARISH

295748091571001 LOCAL WELL NUMBER: I-19

OWNER: MCILHENNY CO. (IRREG. SEC. 59, T. 12S., R. 5E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 460 FT, SCREENED 380-460. MP HOLE IN STEEL PLATE BELOW PUMP, 1.88 FT ABOVE LSD.
LSD 9.72 FT NGVD.
HIGHEST WATER LEVEL 3.65 BELOW LSD, MAY 11, 1944,
LOWEST WATER LEVEL 15.41 BELOW LSD, FEB. 18, 1981.
RECORDS AVAILABLE 1944-62, 1964, 1966-67, 1969, 1971-72, 1974, 1976-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	15.41						

295108091471501 LOCAL WELL NUMBER: I-36

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 14S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 284 FT, SCREENED 276-284. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
LSD 4.12 FT NGVD.
HIGHEST WATER LEVEL 3.25 BELOW LSD, MAR. 22, 1966,
LOWEST WATER LEVEL 6.42 BELOW LSD, FEB. 18, 1981.
RECORDS AVAILABLE 1966-71, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	6.42						

300035091443301 LOCAL WELL NUMBER: I-93

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 5, T. 12S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 585 FT, SCREENED 580-585. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
LSD 18.53 FT NGVD.
HIGHEST WATER LEVEL 15.29 BELOW LSD, FEB. 25, 1974,
LOWEST WATER LEVEL 22.11 BELOW LSD, NOV. 4, 1974.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	19.88	MAR. 11, 1981	20.03				

JEFFERSON PARISH

295509090034001 LOCAL WELL NUMBER: JF-48

OWNER: PUBLICKER CHEMICAL CORP. (SEC. 7, T. 13S., R. 24E.) DRILLED INDUSTRIAL ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 16 IN, DEPTH 780 FT, SCREENED 700-780. MP HOLE IN CASING FLANGE AT TOP OF CONCRETE FOUNDATION, 0.90 FT ABOVE LSD.
LSD 7.00 FT NGVD.
HIGHEST WATER LEVEL 81.62 BELOW LSD, APR. 8, 1981.
LOWEST WATER LEVEL 106.81 BELOW LSD, SEP. 15, 1976.
RECORDS AVAILABLE 1957, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	89.21	APR. 8, 1981	81.62	JULY 29, 1981	90.32	SEP. 29, 1981	91.28
JAN. 22, 1981	83.59						

295906090152701 LOCAL WELL NUMBER: JF-65

OWNER: CITY OF NEW ORLEANS AVIATION BOARD. (SEC. 37, T. 12S., R. 9E.) DRILLED INDUSTRIAL ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, DEPTH 698 FT, SCREENED 638-698. MP HOLE IN SAFETY SEAL, 1.00 FT ABOVE LSD.
LSD 1.00 FT NGVD.
HIGHEST WATER LEVEL 28.50 BELOW LSD, DEC. 23, 1958.
LOWEST WATER LEVEL 56.64 BELOW LSD, APR. 6, 1972.
RECORDS AVAILABLE 1958, 1960-61, 1963, 1965-70, 1972, 1974-75, 1977-78, 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1980	50.52	JAN. 15, 1981	46.91	APR. 8, 1981	42.57	SEP. 29, 1981	50.39

300109090091001 LOCAL WELL NUMBER: JF-71

OWNER: GREATER NEW ORLEANS EXPRESSWAY COMMISSION. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 566 FT, SCREENED 551-566. MP HOLE IN SAFETY SEAL, 3.40 FT ABOVE LSD.
LSD 11.00 FT NGVD.
HIGHEST WATER LEVEL 66.60 BELOW LSD, MAR. 5, 1963.
LOWEST WATER LEVEL 87.43 BELOW LSD, OCT. 17, 1973.
RECORDS AVAILABLE 1963, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	76.57	APR. 8, 1981	71.11	SEP. 29, 1981	74.79		

295858090154101 LOCAL WELL NUMBER: JF-153

OWNER: W. & H. WAREHOUSE CO. (SEC. 37, T. 12S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 670 FT, SCREENED 630-670. MP TOP EDGE STEEL PLATE ATOP CASING, 2.20 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 44.28 BELOW LSD, JAN. 15, 1981.
LOWEST WATER LEVEL 46.05 BELOW LSD, SEP. 29, 1981.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 15, 1981	44.28	SEP. 29, 1981	46.05				

295739090094601 LOCAL WELL NUMBER: JF-156

OWNER: JEFFERSON PARISH CONSOLIDATED WATER DISTRICT. (SEC. 46, T. 12S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 780 FT, SCREENED 660-780. MP TOP OF 4-IN PLASTIC LINER, 2.05 FT ABOVE LSD.
LSD 9.00 FT NGVD.
HIGHEST WATER LEVEL 79.13 BELOW LSD, APR. 8, 1981.
LOWEST WATER LEVEL 94.34 BELOW LSD, NOV. 11, 1975.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	85.25	APR. 8, 1981	79.13	JULY 29, 1981	81.90	SEP. 29, 1981	84.87
JAN. 22, 1981	80.64						

301001089441301 LOCAL WELL NUMBER: OR-23

OWNER: LOUISIANA PARKS AND RECREATION COMMISSION. (SEC. 19, T. 10S., R. 15E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 547 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 6 X 2-IN REDUCER, 0.40 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 2.24 BELOW LSD, MAR. 25, 1958,
LOWEST WATER LEVEL 18.01 BELOW LSD, DEC. 11, 1980.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1980	18.01	JULY 29, 1981	17.76				

295652090020101 LOCAL WELL NUMBER: OR-42

OWNER: U. S. NAVY. (SEC. 16, T. 13S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, REPORTED DEPTH 775 FT, SCREENED 664-775. MP TOP OF 2 X 6-IN RECORDER BASE, 1.00 FT ABOVE LSD.
LSD 10.00 FT NGVD.
HIGHEST WATER LEVEL 40.07 BELOW LSD, MAY 25, 1942,
LOWEST WATER LEVEL 140.48 BELOW LSD, SEP. 20, 1968.
RECORDS AVAILABLE 1942, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	103.86	APR. 8, 1981	91.26	JULY 29, 1981	101.96	SEP. 29, 1981	101.12
JAN. 22, 1981	96.87						

300137089544201 LOCAL WELL NUMBER: OR-78

OWNER: NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. (SEC. 37, T. 12S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 9 IN, DEPTH 565 FT, SCREENED 486-565. MP HOLE IN SAFETY SEAL, 1.36 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 42.94 BELOW LSD, APR. 12, 1961,
LOWEST WATER LEVEL 117.46 BELOW LSD, JULY 21, 1976.
RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	110.62	APR. 8, 1981	102.97	JULY 29, 1981	110.65	SEP. 29, 1981	108.87
JAN. 22, 1981	104.84						

300158090033801 LOCAL WELL NUMBER: OR-128

OWNER: ORLEANS LEVEE BOARD, PONTCHARTRAIN BEACH. (SEC. 111, T. 12S., R. 11E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 8 TO 6 IN, DEPTH 581 FT, SCREENED 541-581. MP TOP EDGE OF HOLE IN SANITARY SEAL, 1.32 FT ABOVE LSD.
LSD 5.00 FT NGVD.
HIGHEST WATER LEVEL 111.38 BELOW LSD, APR. 8, 1981,
LOWEST WATER LEVEL 167.66 BELOW LSD, JULY 21, 1976.
RECORDS AVAILABLE 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	120.33	MAR. 2, 1981	111.71	JUNE 18, 1981	116.01	AUG. 27, 1981	120.63
DEC. 11	113.28	APR. 8	111.38	JULY 29	119.68	SEP. 29	122.20
JAN. 22, 1981	117.62	MAY 11	112.63				

300411089571401 LOCAL WELL NUMBER: OR-156

OWNER: ORLEANS LEVEE BOARD. (SEC. 25, T. 11S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF THE NEW ORLEANS AREA) OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, DEPTH 807 FT, SCREENED 747-807. MP HOLE IN SANITARY SEAL, 1.30 FT ABOVE LSD.
LSD 2.00 FT NGVD.
HIGHEST WATER LEVEL 35.98 BELOW LSD, JUNE 10, 1981,
LOWEST WATER LEVEL 36.70 BELOW LSD, SEP. 29, 1981.
RECORDS AVAILABLE 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1980	36.55	JUNE 10, 1981	35.98	JULY 29, 1981	36.30	SEP. 29, 1981	36.70
JAN. 22, 1981	36.67						

ORLEANS PARISH

300525089464001 LOCAL WELL NUMBER: OR-175

OWNER: U. S. GEOL. SURVEY. (SEC. 38, T. 11S., R. 14E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 449 FT, SCREENED 439-449. MP TOP OF 2-IN CASING, 1.25 FT ABOVE LSD.
LSD 10.00 FT NGVD.
HIGHEST WATER LEVEL 19.84 BELOW LSD, SEP. 19, 1963,
LOWEST WATER LEVEL 37.23 BELOW LSD, JULY 29, 1981.
RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	36.95	APR. 8, 1981	36.88	JULY 29, 1981	37.23	SEP. 29, 1981	36.91
JAN. 22, 1981	37.01						

300959089441901 LOCAL WELL NUMBER: OR-179

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 15E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 2 IN, DEPTH 2434 FT, SCREENED 2429-2434. MP CENTERLINE OF DISCHARGE PIPE, 2.87 FT ABOVE LSD.
LSD 4.00 FT NGVD.
HIGHEST WATER LEVEL 107.20 ABOVE LSD, NOV. 10, 1965,
LOWEST WATER LEVEL 66.90 ABOVE LSD, SEP. 29, 1981.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1980	+ 67.90	APR. 8, 1981	+ 68.00	JULY 29, 1981	+ 67.40	SEP. 29, 1981	+ 66.90
JAN. 22, 1981	+ 67.00						

300349089562401 LOCAL WELL NUMBER: OR-203

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 11S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 453 FT, SCREENED 448-453. MP TOP OF 2-IN CASING, 0.65 FT BELOW LSD.
LSD -5.00 FT NGVD.
HIGHEST WATER LEVEL 81.72 BELOW LSD, SEP. 29, 1981,
LOWEST WATER LEVEL 81.72 BELOW LSD, SEP. 29, 1981.
RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 29, 1981	81.72						

ST. MARY PARISH

294749091402301 LOCAL WELL NUMBER: SM-57U

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 638 FT, SCREENED 628-638. MP TOP OF 1 1/2-IN PIPE, 2.50 FT ABOVE LSD.
LSD 8.72 FT NGVD.
HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 15, 1965,
LOWEST WATER LEVEL 10.25 BELOW LSD, DEC. 20, 1976.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	9.73	MAR. 11, 1981	9.63				

294749091402302 LOCAL WELL NUMBER: SM-57L

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 14S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 1/2 IN, DEPTH 738 FT, SCREENED 728-738. MP TOP OF 1 1/2-IN PIPE, 2.50 FT ABOVE LSD.
LSD 8.72 FT NGVD.
HIGHEST WATER LEVEL 7.54 BELOW LSD, AUG. 16, 1973,
LOWEST WATER LEVEL 11.93 BELOW LSD, OCT. 22, 1970.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	10.82	MAR. 11, 1981	10.79				

See footnotes at end of table.

ST. MARY PARISH

295314091312101 LOCAL WELL NUMBER: SM-58

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 30, T. 13S., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 194 FT, SCREENED 188-194. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.

LSD 10.37 FT NGVD.
HIGHEST WATER LEVEL 3.35 BELOW LSD, FEB. 24, 1974.
LOWEST WATER LEVEL 7.69 BELOW LSD, FEB. 18, 1981.
RECORDS AVAILABLE 1966-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	7.69						

VERMILION PARISH

294705092115001 LOCAL WELL NUMBER: VE-28

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 31, T. 14S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 260 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 2-IN PIPE, 1.08 FT ABOVE LSD.

LSD 6.74 FT NGVD.
HIGHEST WATER LEVEL 1.25 BELOW LSD, APR. 11, 1944.
LOWEST WATER LEVEL 11.42 BELOW LSD, FEB. 19, 1981.
RECORDS AVAILABLE 1944-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	11.42						

295520092093001 LOCAL WELL NUMBER: VE-78

OWNER: J. F. NOEL, SR. (IRREG. SEC. 14, T. 13S., R. 3E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 295 FT, SCREENED INTERVAL UNKNOWN. MP HOLE IN TOP OF DISCHARGE PIPE, 1.16 FT ABOVE LSD.

LSD 8.71 FT NGVD.
HIGHEST WATER LEVEL 5.28 BELOW LSD, APR. 11, 1944.
LOWEST WATER LEVEL 21.84 BELOW LSD, FEB. 27, 1975, MAR. 5, 1976.
RECORDS AVAILABLE 1944-66, 1968-69, 1971-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	19.04						

300251092275801 LOCAL WELL NUMBER: VE-128

OWNER: CHARLES STANSEL. (IRREG. SEC. 33, T. 11S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 330 FT, SCREENED 230-330. MP LOWER LIP OF DISCHARGE PIPE, 2.40 FT ABOVE LSD.

LSD 9.86 FT NGVD.
HIGHEST WATER LEVEL 6.40 BELOW LSD, APR. 8, 1948.
LOWEST WATER LEVEL 33.95 BELOW LSD, AUG. 26, 1965.
RECORDS AVAILABLE 1946-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	33.60						

300245092200301 LOCAL WELL NUMBER: VE-333

OWNER: JOSEPH HERPIN. (SEC. 35, T. 11S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, REPORTED DEPTH 280 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.31 FT ABOVE LSD.

LSD 14.03 FT NGVD.
HIGHEST WATER LEVEL 15.69 BELOW LSD, MAR. 21, 1950.
LOWEST WATER LEVEL 51.79 BELOW LSD, MAY 26, 1981.
RECORDS AVAILABLE 1948-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 23, 1980	37.30	JAN. 23, 1981	34.74	APR. 16, 1981	46.78	JULY 22, 1981	40.89
NOV. 20	36.52	FEB. 18	34.49	MAY 26	51.79	AUG. 24	45.84
DEC. 22	36.18	MAR. 19	41.75	JUNE 16	42.24	SEP. 23	44.72

295650092245001 LOCAL WELL NUMBER: VE-442

OWNER: ROHELY SIMON. (SEC. 1, T. 13S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, DEPTH 281 FT, SCREENED 198-281. MP LOWER LIP OF DISCHARGE PIPE, 5.08 FT ABOVE LSD.
LSD 5.42 FT NGVD.
HIGHEST WATER LEVEL 11.88 BELOW LSD, APR. 4, 1956,
LOWEST WATER LEVEL 21.62 BELOW LSD, FEB. 19, 1981.
RECORDS AVAILABLE 1954-72, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	21.62						

295645092165501 LOCAL WELL NUMBER: VE-460

OWNER: RENE DRONET. (SEC. 5, T. 13S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 10 IN, REPORTED DEPTH 300 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 4.53 FT ABOVE LSD.
LSD 9.78 FT NGVD.
HIGHEST WATER LEVEL 4.20 BELOW LSD, MAR. 15, 1949,
LOWEST WATER LEVEL 23.07 BELOW LSD, MAR. 9, 1977.
RECORDS AVAILABLE 1948-72, 1974-75, 1977-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	22.17						

300117092005601 LOCAL WELL NUMBER: VE-501

OWNER: GERMAIN BARES. (SEC. 1, T. 12S., R. 4E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 8 IN, REPORTED DEPTH 227 FT, SCREENED 162-227. MP LOWER LIP OF DISCHARGE PIPE, 12.90 FT ABOVE LSD.
LSD 21.62 FT NGVD.
HIGHEST WATER LEVEL 20.62 BELOW LSD, MAR. 26, 1962,
LOWEST WATER LEVEL 28.70 BELOW LSD, MAR. 1, 1978.
RECORDS AVAILABLE 1958-66, 1968-72, 1974-75, 1977-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	28.65						

300240092083201 LOCAL WELL NUMBER: VE-586

OWNER: E. O. BROUSSARD. (SEC. 34, T. 11S., R. 3E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 8 IN, REPORTED DEPTH 259 FT, SCREENED 195-259. MP 1/2-IN PLUG ON SIDE OF PIPE, 3.02 FT ABOVE LSD.
LSD 15.40 FT NGVD.
HIGHEST WATER LEVEL 19.47 BELOW LSD, APR. 29, 1958,
LOWEST WATER LEVEL 30.78 BELOW LSD, FEB. 6, 1974, MAR. 9, 1976.
RECORDS AVAILABLE 1958-68, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	28.38						

295315092075001 LOCAL WELL NUMBER: VE-626

OWNER: U. S. GEOL. SURVEY. (SEC. 54, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 66 FT, SCREENED 62-66. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 4.63 FT NGVD.
HIGHEST WATER LEVEL 8.27 BELOW LSD, MAR. 2, 1966,
LOWEST WATER LEVEL 14.03 BELOW LSD, JUNE 24, 1964.
RECORDS AVAILABLE 1963-66, 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	12.00						

294825092202004 LOCAL WELL NUMBER: VE-629U

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 457 FT, SCREENED 447-457. MP TOP OF 1-IN PIPE, 2.95 FT ABOVE LSD.
LSD 1.79 FT NGVD.
HIGHEST WATER LEVEL 3.77 BELOW LSD, MAR. 9, 1966,
LOWEST WATER LEVEL 7.40 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	6.20	MAR. 9, 1981	7.23				

294825092202005 LOCAL WELL NUMBER: VE-629L

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 487 FT, SCREENED 477-487. MP TOP OF 1-IN PIPE, 2.95 FT ABOVE LSD.
LSD 1.79 FT NGVD.
HIGHEST WATER LEVEL 3.89 BELOW LSD, MAR. 9, 1966,
LOWEST WATER LEVEL 7.46 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	7.15	MAR. 9, 1981	7.27				

295031092203202 LOCAL WELL NUMBER: VE-630U

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 498 FT, SCREENED 488-498. MP TOP OF 1-IN PIPE, 2.93 FT ABOVE LSD.
LSD 4.75 FT NGVD.
HIGHEST WATER LEVEL 7.15 BELOW LSD, MAR. 5, 1968,
LOWEST WATER LEVEL 11.74 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	10.42	MAR. 9, 1981	11.39				

295031092203203 LOCAL WELL NUMBER: VE-630L

OWNER: U. S. GEOL. SURVEY. (SEC. 10, T. 14S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 IN, DEPTH 528 FT, SCREENED 518-528. MP TOP OF 1-IN PIPE, 2.93 FT ABOVE LSD.
LSD 4.75 FT NGVD.
HIGHEST WATER LEVEL 7.38 BELOW LSD, MAR. 9, 1966,
LOWEST WATER LEVEL 11.83 BELOW LSD, AUG. 11, 1977.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	11.42	MAR. 9, 1981	11.49				

294921092060201 LOCAL WELL NUMBER: VE-634

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 14S., R. 4E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 86 FT, SCREENED 82-86. MP TOP OF CASING, AT LSD.
LSD 3.05 FT NGVD.
HIGHEST WATER LEVEL 2.05 BELOW LSD, FEB. 28, 1979,
LOWEST WATER LEVEL 3.50 BELOW LSD, FEB. 19, 1981.
RECORDS AVAILABLE 1979, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	2.05	FEB. 19, 1981	3.50				

VERMILION PARISH

295318092092001 LOCAL WELL NUMBER: VE-636

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 76 FT, SCREENED 72-76. MP TOP OF CASING, 1.50 FT ABOVE LSD.
LSD 7.56 FT NGVD.
HIGHEST WATER LEVEL 8.71 BELOW LSD, JULY 29, 1964,
LOWEST WATER LEVEL 14.22 BELOW LSD, JUNE 24, 1964.
RECORDS AVAILABLE 1963-65, 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	14.00						

295345092100702 LOCAL WELL NUMBER: VE-637U

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, DEPTH 198 FT, SCREENED 188-198. MP TOP OF 1-IN PIPE, 2.66 FT ABOVE LSD.
LSD 4.06 FT NGVD.
HIGHEST WATER LEVEL 7.99 BELOW LSD, FEB. 24, 1966,
LOWEST WATER LEVEL 13.51 BELOW LSD, JUNE 9, 1971.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	11.74	MAR. 10, 1981	12.05				

295345092100703 LOCAL WELL NUMBER: VE-637L

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, DEPTH 243 FT, SCREENED 233-243. MP TOP OF 1-IN PIPE, 2.66 FT ABOVE LSD.
LSD 4.06 FT NGVD.
HIGHEST WATER LEVEL 8.10 BELOW LSD, FEB. 24, 1966,
LOWEST WATER LEVEL 15.11 BELOW LSD, JUNE 25, 1970.
RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	12.14	MAR. 10, 1981	12.20				

293845092264901 LOCAL WELL NUMBER: VE-639

OWNER: U. S. GEOL. SURVEY. (SEC. 2, T. 16S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 608 FT, SCREENED 603-608. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
LSD 5.84 FT NGVD.
HIGHEST WATER LEVEL 6.22 BELOW LSD, OCT. 20, 1965,
LOWEST WATER LEVEL 9.65 BELOW LSD, OCT. 29, 1976.
RECORDS AVAILABLE 1965-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	9.60						

295204092091201 LOCAL WELL NUMBER: VE-646

OWNER: U. S. GEOL. SURVEY. (SEC. 65, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 65 FT, SCREENED 62-65. MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 7.26 FT NGVD.
HIGHEST WATER LEVEL 11.85 BELOW LSD, AUG. 26, 1965,
LOWEST WATER LEVEL 14.40 BELOW LSD, FEB. 19, 1981.
RECORDS AVAILABLE 1965, 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	14.40						

295058092091401 LOCAL WELL NUMBER: VE-647

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 14S., R. 3E.) BORED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 76 FT, SCREENED 73-76. MP TOP OF CASING, 1.00 FT ABOVE LSD.
LSD 5.56 FT NGVD.
HIGHEST WATER LEVEL 8.86 BELOW LSD, FEB. 28, 1979.
LOWEST WATER LEVEL 10.75 BELOW LSD, FEB. 19, 1981.
RECORDS AVAILABLE 1979, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1979	8.86	FEB. 19, 1981	10.75				

295516092082501 LOCAL WELL NUMBER: VE-649

OWNER: U. S. GEOL. SURVEY. (SEC. 44, T. 13S., R. 3E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 350 FT, SCREENED 344-350. MP TOP OF 2-IN CASING, 2.30 FT ABOVE LSD.
LSD 9.74 FT NGVD.
HIGHEST WATER LEVEL 15.66 BELOW LSD, OCT. 22, 1965,
LOWEST WATER LEVEL 18.65 BELOW LSD, FEB. 19, 1981.
RECORDS AVAILABLE 1965, 1980-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	18.65	MAR. 10, 1981	18.60				

295341092055401 LOCAL WELL NUMBER: VE-650

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 13S., R. 4E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 205 FT, SCREENED 200-205. MP TOP OF 2-IN CASING, 2.50 FT ABOVE LSD.
LSD 7.58 FT NGVD.
HIGHEST WATER LEVEL 11.99 BELOW LSD, FEB. 24, 1966,
LOWEST WATER LEVEL 18.85 BELOW LSD, JULY 20, 1971.
RECORDS AVAILABLE 1965-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	15.00						

295504092320101 LOCAL WELL NUMBER: VE-654

OWNER: ELLIS STANSEL. (SEC. 14, T. 13S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 12 IN, REPORTED DEPTH 267 FT, SCREENED 187-267. MP LOWER LIP OF DISCHARGE PIPE, 5.82 FT ABOVE LSD.
LSD 9.60 FT NGVD.
HIGHEST WATER LEVEL 14.68 BELOW LSD, MAR. 4, 1969,
LOWEST WATER LEVEL 22.78 BELOW LSD, MAR. 9, 1977.
RECORDS AVAILABLE 1969-70, 1972, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1981	21.68						

293214092180901 LOCAL WELL NUMBER: VE-658

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 19, T. 17S., R. 2E.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 645 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF SANITARY SEAL, 2.25 FT ABOVE LSD.
LSD 8.60 FT NGVD.
HIGHEST WATER LEVEL 6.68 BELOW LSD, JAN. 22, 1969,
LOWEST WATER LEVEL 9.65 BELOW LSD, FEB. 22, 1972.
RECORDS AVAILABLE 1969-70, 1972, 1974-79, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 19, 1981	8.95						

+ Above land-surface datum.

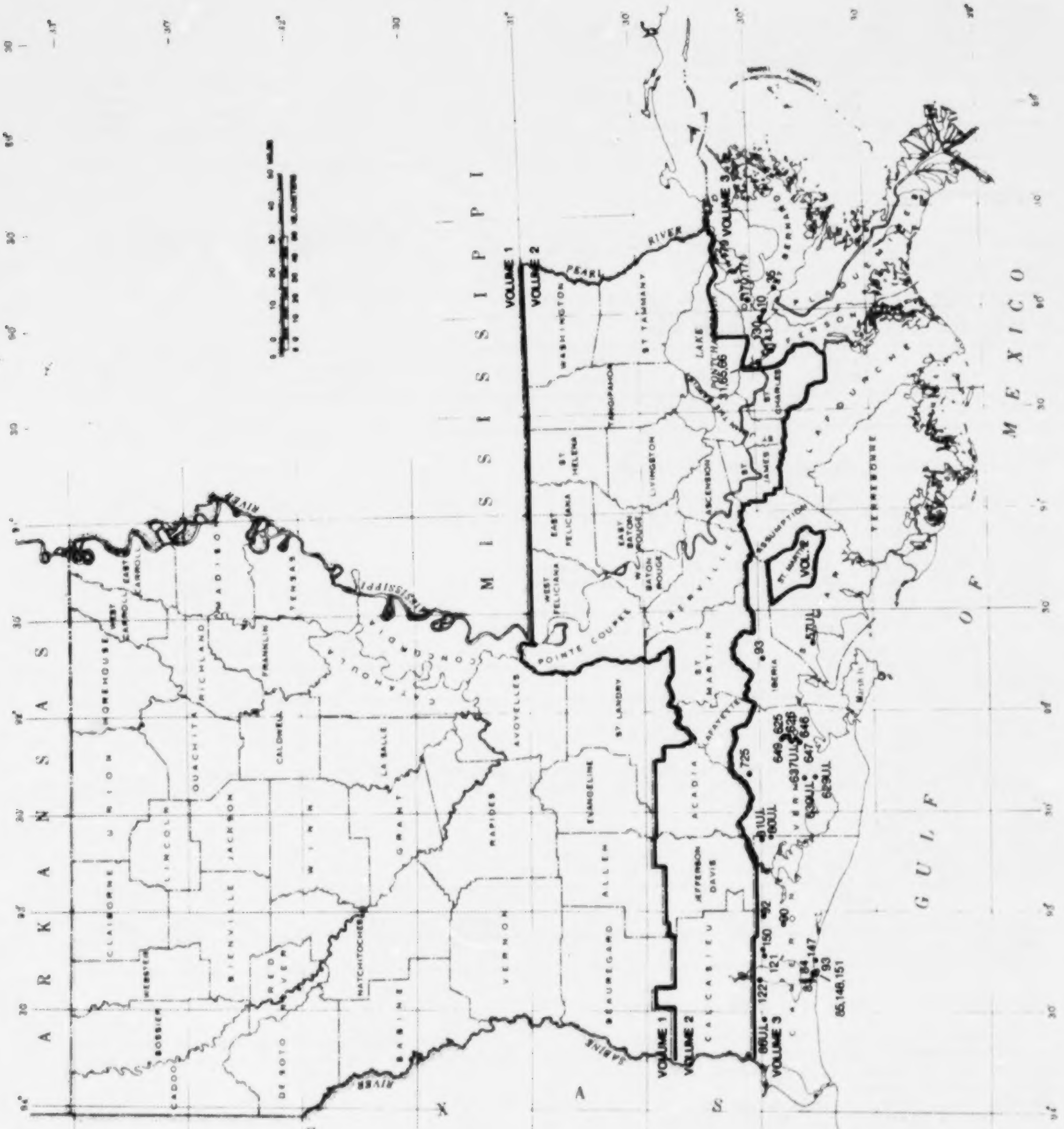
ARKANSAS
MISSISSIPPI
TEXAS
GULF OF MEXICO
VOLUME 1
VOLUME 2
VOLUME 3
MISSISSIPPI RIVER
PEARL RIVER
SABINE RIVER
LAKE PONTCHARTRAIN
CADDO
BOSSIER
WEBSTER
CLAIBORNE
UNION
LINCOLN
MOREHOUSE
WEST CARROLL
EAST CARROLL
OUACHITA
RICHLAND
MADISON
FRANKLIN
TENSAS
CALDWELL
JACKSON
BIENVILLE
DE SOTO
RED RIVER
NATCHITOCHES
WINN
LA SALLE
CATAHOULA
CONCORDIA
GRANT
RAPIDES
AVOYELLES
SABINE
VERNON
BEAUREGARD
ALLEN
EVANGELINE
ST LANDRY
POINTE COUPEE
WEST FELICIANA
EAST FELICIANA
ST HELENA
TANGIPAHOA
WASHINGTON
ST TAMMANY
LIVINGSTON
EAST BATON ROUGE
WEST BATON ROUGE
IBERVILLE
ASCENSION
ST JAMES
ST JOHN THE BAPTIST
ST CHARLES
ASSUMPTION
LAFOURCHE
TERREBONNE
ST MARY
IBERIA
ST MARTIN
LAFAYETTE
ACADIA
VERMILION
JEFFERSON DAVIS
CALCASIEU
CAMERON
ST BERNARD
PLAQUEMINES
JEFFERSON
ORLEANS

Figure 6.—Location of wells for which water-quality data are included in this report.

CHEMICAL ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

LOCAL IDENT-I-FIER	STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
CAMERON PARISH									
CN- 80U 12S 3W 24	295846092381104	112CHCTU	453	81-02-24	1120	1240	--	22.5	--
CN- 80L 12S 3W 24	295846092381105	112CHCTU	481	81-02-24	1215	1240	--	22.5	--
CN- 81U 12S 3W 11	300125092382503	112CHCTU	448	81-03-09	1015	1630	--	22.0	--
CN- 81L 12S 3W 11	300125092382504	112CHCTU	478	81-03-09	1045	1860	--	22.5	--
CN- 83 14S 9W 31	294756093192702	11205LC	277	81-02-27	1300	2000	7.7	24.5	--
CN- 84 14S 9W 32	294747093185002	112CHCTU	244	81-03-02	1340	1600	7.4	22.5	--
CN- 85 15S 9W 12	294715093182202	112CHCTU	300	81-02-27	1335	1610	7.8	22.5	--
CN- 86U 12S 12W 13	300120093320801	11205LC	535	81-02-02	1250	1070	--	22.5	--
CN- 86L 12S 12W 13	300120093320802	11205LC	641	81-02-02	1315	1810	--	22.5	--
CN- 90 13S 7W 4	295611093044801	112CHCTU	396	81-03-05	1300	971	--	23.0	--
CN- 92 12S 7W 12	300104093015601	112CHCTU	443	81-03-05	1430	1820	--	23.0	--
CN- 93 15S 9W 16	294709093174301	112CHCTU	360	81-03-05	1130	1420	--	22.5	--
CN- 121 12S 8W 18	300040093161801	112CHCTU	691	81-03-06	1120	1130	--	23.5	--
CN- 122 12S 10W 12	300140093202201	11205LC	920	81-02-26	0945	1250	--	22.5	--
CN- 147 14S 9W 31	294813093191701	112CHCTU	260	81-02-27	1315	1630	7.9	23.0	--
CN- 148 15S 9W 7	294651093191301	112CHCTU	270	81-03-02	1100	1580	7.8	22.5	--
CN- 150 12S 8W 16	300058093112102	112CHCT	280	81-03-06	1020	643	7.7	20.5	0
CN- 151 15S 9W 2	294712093195001	112CHCTU	280	81-03-02	1245	1560	7.4	21.0	10
IBERIA PARISH									
I- 93 12S 7E 5	300035091443301	112CHCTU	585	81-03-11	1430	1050	--	22.0	--
JEFFERSON PARISH									
JF- 31 12S 9E 37	295908090152801	112GZNO	720	81-08-19	1100	2000	--	--	--
JF- 65 12S 9E 37	295906090152701	112GZNO	698	81-08-19	1050	812	--	--	--
JF- 66 12S 9E 37	295907090152901	112GZNO	697	81-08-19	1115	2070	--	--	--
JF- 141 13S 22E 26	295525090111701	112GZNO	740	80-12-04	1150	1510	--	25.0	--
		112GZNO	740	81-08-25	1400	1540	--	--	--
ORLEANS PARISH									
OR- 130 12S 12E	295738090021001	112GZNO	736	81-08-20	1200	1820	--	--	--
OR- 170 12S 13E 42	300026089561101	112GZNO	645	81-08-20	1030	2150	--	--	--
OR- 171 12S 13E 42	300030089561801	112GZNO	645	81-08-20	1045	2690	--	--	--
OR- 179 10S 15E 19	300959089441901	12203FP	2434	80-12-11	1200	622	--	--	--
ST. BERNARD PARISH									
SB- 10 13S 12E 12	295646090000401	112GZNO	791	81-08-20	1145	2910	--	--	--
SB- 35 13S 13E 7	295402089534201	112GZNO	776	81-08-26	1400	9420	--	--	--
ST. MARY PARISH									
SM- 57U 14S 8E 27	294749091402301	112CHCTU	638	81-03-11	1215	1170	--	24.0	--
SM- 57L 14S 8E 27	294749091402302	112CHCTU	738	81-03-11	1150	5420	--	23.5	--
VERMILION PARISH									
VE- 625 13S 3E 49	295447092080101	112CHCTU	97	81-07-31	--	452	--	--	--
VE- 626 13S 3E 54	295315092075001	112CHCTU	66	81-07-31	--	1030	--	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
CAMERON PARISH--Continued										
CN- 80U 12S 3W 24	81-02-24	220	--	--	--	--	--	--	--	240
CN- 80L 12S 3W 24	81-02-24	200	--	--	--	--	--	--	--	270
CN- 81U 12S 3W 11	81-03-09	300	--	--	--	--	--	--	--	360
CN- 81L 12S 3W 11	81-03-09	320	--	--	--	--	--	--	--	420
CN- 83 14S 9W 31	81-02-27	150	--	30	19	390	--	--	--	460
CN- 84 14S 9W 32	81-03-02	130	--	22	19	300	--	--	--	320
CN- 85 15S 9W 12	81-02-27	120	--	23	15	310	--	--	--	310
CN- 86U 12S 12W 13	81-02-02	75	--	--	--	--	--	--	--	220
CN- 86L 12S 12W 13	81-02-02	68	--	--	--	--	--	--	--	440
CN- 90 13S 7W 4	81-03-05	84	--	--	--	--	--	--	--	160
CN- 92 12S 7W 12	81-03-05	220	--	--	--	--	--	--	--	410
CN- 93 15S 9W 16	81-03-05	110	--	--	--	--	--	--	--	270
CN- 121 12S 8W 18	81-03-06	150	--	--	--	--	--	--	--	230
CN- 122 12S 10W 12	81-02-26	30	--	--	--	--	--	--	--	240
CN- 147 14S 9W 31	81-02-27	95	--	24	8.5	330	--	--	--	340
CN- 148 15S 9W 7	81-03-02	70	--	24	2.4	310	--	--	--	350
CN- 150 12S 8W 16	81-03-06	81	0	20	7.5	120	2.0	273	1.8	38
CN- 151 15S 9W 2	81-03-02	110	0	24	13	300	5.0	322	2.8	300
IBERIA PARISH--Continued										
I- 93 12S 7E 5	81-03-11	220	--	59	18	--	--	--	--	140
JEFFERSON PARISH--Continued										
JF- 31 12S 9E 37	81-08-19	61	--	--	--	--	--	--	--	490
JF- 65 12S 9E 37	81-08-19	16	--	--	--	--	--	--	--	120
JF- 66 12S 9E 37	81-08-19	66	--	--	--	--	--	--	--	520
JF- 141 13S 22E 26	80-12-04	32	--	--	--	--	--	--	--	290
	81-08-25	29	--	--	--	--	--	--	--	290
ORLEANS PARISH--Continued										
OR- 130 12S 12E	81-08-20	39	--	--	--	--	--	--	--	330
OR- 170 12S 13E 42	81-08-20	38	--	--	--	--	--	--	--	450
OR- 171 12S 13E 42	81-08-20	52	--	--	--	--	--	--	--	640
OR- 179 10S 15E 19	80-12-11	1	--	--	--	--	--	--	--	4.0
ST. BERNARD PARISH--Continued										
SB- 10 13S 12E 12	81-08-20	54	--	--	--	--	--	--	--	680
SB- 35 13S 13E 7	81-08-26	280	--	--	--	--	--	--	--	2900
ST. MARY PARISH--Continued										
SM- 57U 14S 8E 27	81-03-11	310	--	74	30	--	--	--	--	190
SM- 57L 14S 8E 27	81-03-11	580	--	140	55	--	--	--	--	1600
VERMILION PARISH--Continued										
VE- 625 13S 3E 49	81-07-31	180	--	51	14	--	--	--	--	8.2
VE- 626 13S 3E 54	81-07-31	250	--	70	17	--	--	--	--	160

LOCAL IDENT-I-FIER	DATE OF SAMPLE	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	BROMIDE DIS-SOLVED (MG/L AS BR)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
CAMERON PARISH--Continued									
CN- 80U 12S 3W 24	81-02-24	--	.3	--	--	--	--	--	--
CN- 80L 12S 3W 24	81-02-24	--	.2	--	--	--	--	--	--
CN- 81U 12S 3W 11	81-03-09	--	.5	--	--	--	--	--	--
CN- 81L 12S 3W 11	81-03-09	--	.5	--	--	--	--	--	--
CN- 83 14S 9W 31	81-02-27	--	.5	--	--	--	--	230	78
CN- 84 14S 9W 32	81-03-02	--	.4	--	--	--	--	190	90
CN- 85 15S 9W 12	81-02-27	--	.4	--	--	--	--	210	62
CN- 86U 12S 12W 13	81-02-02	--	.3	--	--	--	--	--	--
CN- 86L 12S 12W 13	81-02-02	--	.5	--	--	--	--	--	--
CN- 90 13S 7W 4	81-03-05	--	.2	--	--	--	--	--	--
CN- 92 12S 7W 12	81-03-05	--	.7	--	--	--	--	--	--
CN- 93 15S 9W 16	81-03-05	--	.3	--	--	--	--	--	--
CN- 121 12S 8W 18	81-03-06	--	.3	--	--	--	--	--	--
CN- 122 12S 10W 12	81-02-26	--	.3	--	--	--	--	--	--
CN- 147 14S 9W 31	81-02-27	--	.3	--	--	--	--	170	60
CN- 148 15S 9W 7	81-03-02	--	.3	--	--	--	--	160	70
CN- 150 12S 8W 16	81-03-06	.2	--	27	380	381	.16	120	79
CN- 151 15S 9W 2	81-03-02	.2	.4	29	866	867	.34	150	49
IBERIA PARISH--Continued									
I- 93 12S 7E 5	81-03-11	--	.1	--	--	--	--	--	--
JEFFERSON PARISH--Continued									
JF- 31 12S 9E 37	81-08-19	--	--	--	--	--	--	--	--
JF- 65 12S 9E 37	81-08-19	--	--	--	--	--	--	--	--
JF- 66 12S 9E 37	81-08-19	--	--	--	--	--	--	--	--
JF- 141 13S 22E 26	80-12-04	--	--	--	--	--	--	--	--
	81-08-25	--	--	--	--	--	--	--	--
ORLEANS PARISH--Continued									
OR- 130 12S 12E	81-08-20	--	--	--	--	--	--	--	--
OR- 170 12S 13E 42	81-08-20	--	--	--	--	--	--	--	--
OR- 171 12S 13E 42	81-08-20	--	--	--	--	--	--	--	--
OR- 179 10S 15E 19	80-12-11	--	--	--	--	--	--	--	--
ST. BERNARD PARISH--Continued									
SB- 10 13S 12E 12	81-08-20	--	--	--	--	--	--	--	--
SB- 35 13S 13E 7	81-08-26	--	--	--	--	--	--	--	--
ST. MARY PARISH--Continued									
SM- 57U 14S 8E 27	81-03-11	--	.3	--	--	--	--	--	--
SM- 57L 14S 8E 27	81-03-11	--	1.6	--	--	--	--	--	--
VERMILION PARISH--Continued									
VE- 625 13S 3E 49	81-07-31	--	--	--	--	--	--	--	--
VE- 626 13S 3E 54	81-07-31	--	--	--	--	--	--	--	--

LOCAL IDENT-I-FIER	STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
				VERMILION PARISH--Continued					
VE- 629U 14S 1E 23	294825092202004	112CHCTU	457	81-03-09	1305	1050	--	21.5	--
VE- 629L 14S 1E 23	294825092202005	112CHCTU	487	81-03-09	1350	1290	--	22.0	--
VE- 630U 14S 1E 10	295031092203202	112CHCTU	498	81-03-09	1520	1060	--	22.0	--
VE- 630L 14S 1E 10	295031092203203	112CHCTU	528	81-03-09	1550	1950	--	22.0	--
VE- 637U 13S 3E 15	295345092100702	112CHCTU	198	81-03-10	1150	1110	--	22.0	--
VE- 637L 13S 3E 15	295345092100703	112CHCTU	243	81-03-10	1115	2670	--	21.5	--
VE- 646 13S 3E 65	295204092091201	112CHCTU	65	81-07-31	--	2060	--	--	--
VE- 647 14S 3E 3	295058092091401	112CHCTU	76	81-07-31	--	2720	--	--	--
VE- 649 13S 3E 44	295516092082501	112CHCTU	350	81-03-10	1415	1580	--	22.0	--
VE- 725 11S 1E 25	300315092190901	112CHCTU	300	81-04-21	--	946	7.4	--	--
		112CHCTU	300	81-05-26	--	938	7.6	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
					VERMILION PARISH--Continued					
VE- 629U 14S 1E 23	81-03-09	340	--	76	36	--	--	--	--	160
VE- 629L 14S 1E 23	81-03-09	340	--	83	33	--	--	--	--	240
VE- 630U 14S 1E 10	81-03-09	260	--	62	27	--	--	--	--	130
VE- 630L 14S 1E 10	81-03-09	440	--	100	45	--	--	--	--	420
VE- 637U 13S 3E 15	81-03-10	300	--	84	22	--	--	--	--	170
VE- 637L 13S 3E 15	81-03-10	550	--	160	37	--	--	--	--	670
VE- 646 13S 3E 65	81-07-31	470	--	120	39	--	--	--	--	500
VE- 647 14S 3E 3	81-07-31	590	--	160	46	--	--	--	--	710
VE- 649 13S 3E 44	81-03-10	370	--	110	25	--	--	--	--	320
VE- 725 11S 1E 25	81-04-21	170	--	44	15	140	--	340	--	100
	81-05-26	170	--	44	15	140	--	341	--	100

LOCAL IDENT- I- FIER				DATE OF SAMPLE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
VERMILION PARISH--Continued												
VE- 629U	14S	1E	23	81-03-09	--	.2	--	--	--	--	--	--
VE- 629L	14S	1E	23	81-03-09	--	.3	--	--	--	--	--	--
VE- 630U	14S	1E	10	81-03-09	--	.2	--	--	--	--	--	--
VE- 630L	14S	1E	10	81-03-09	--	.5	--	--	--	--	--	--
VE- 637U	13S	3E	15	81-03-10	--	.2	--	--	--	--	--	--
VE- 637L	13S	3E	15	81-03-10	--	.7	--	--	--	--	--	--
VE- 646	13S	3E	65	81-07-31	--	--	--	--	--	--	--	--
VE- 647	14S	3E	3	81-07-31	--	--	--	--	--	--	--	--
VE- 649	13S	3E	44	81-03-10	--	.3	--	--	--	--	--	--
VE- 725	11S	1E	25	81-04-21	--	--	--	--	--	--	--	--
				81-05-26	--	--	--	--	--	--	0	61

1/ Geologic unit (aquifer):

112CHCT-Chicot aquifer, Pleistocene age.
112CHCTU-Chicot aquifer, upper sand unit, Pleistocene age.
112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.
11205LC-"500-foot" sand of Lake Charles area, Pleistocene age.
12203FP-Zone 3 Florida Parishes and Pointe Coupee Parish, Miocene age.

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons